



DE-SEIZE



LUBRICATE



CLEAN



ASSEMBLE

HIGH-TECH PRODUCTS
INDUSTRIAL PRODUCTION & MAINTENANCE



PROTECT

ORAPI-MAINTENANCE.COM

EDITO

Guy Chiffлот



When we created ORAPI (Office de Recherche et d'Application de Produits pour l'Industrie), I never thought I would be looking so far ahead into the future.

But little by little, our intention of providing industrial companies with products designed to make their job easier, lengthen service intervals and protect and prolong the life of their equipment and machinery has increasingly met with success.

Over the past 45 years of our amazing industrial journey, every one of our products, our four Research and Development Centres and seven plants dotted around the globe have enabled us to remain at the forefront of industrial advances and ensure that our customers always benefit from the latest technological breakthroughs.

Our business approach philosophy is to provide users with products which help them save time, extend periods of serviceability and cut costs.

Thanks to its technical excellence, ORAPI is actively involved in process solutions for the industrial sector, as evidenced by the products it has installed and the monitoring of their use it carries out.

Our professional approach and the longevity of our business relationships are the result of the confidence our customers have had in us over many years.

As a result, we have been able to tap into a valuable source of knowledge which we draw on every day to help our customers achieve ever better results.

The men, women and customers of ORAPI form a winning team based on mutual understanding and a common goal: the shared success of their projects.

Over the years, the ORAPI Group has grown in perfect harmony with its customers and has devoted itself wholeheartedly to providing the highest levels of service and the best quality of products.

ORAPI is a responsible group with great commitment for mankind and environment.

Guy Chiffлот,
CEO, ORAPI Group

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ORAPI INTERNATIONAL



THE INDUSTRIAL GROUP STRENGTH

ORAPI's production and logistics are entrusted to men and women who constantly strive to enhance product quality and customer satisfaction, with one shared requirement: care of the environment.

ORAPI
ENGINEERED SOLUTIONS WORLDWIDE



1

DEVELOPMENT



2

PRODUCTION



RESEARCH AND DEVELOPMENT

A research laboratory and a regulatory department constantly designing and adapting formulas and labelling to the new regulatory chemical standards.

PRODUCTION PLANT

All our products are manufactured in our plant near Lyon. Our site is ISO 9001 and 14001 certified.



LEGEND

To help you navigate through the catalogue, we have implemented a pictogram system allowing you to select the products that correspond with your needs.



Rails



OTAN



Armée française



Frigoristes



Aéronautique



Aérospatiale



FOR AN ESTIMATE, ADVICE OR SPECIFIC REQUEST

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 CONTACT@ORAPI.COM

3

DISTRIBUTION



4

END USERS

IN FRANCE AND ABROAD

Sales and technical teams, genuine local experts to respond to all your needs.

ON THE INTERNATIONAL STAGE

More than 2 million users worldwide.



Automobile



Naval



Gaz de France



Air Liquide



Conformer Industries Alimentaires





DISMANTLE
CLEAN
LUBRICATE

DE-SEIZE



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PENETRATING OILS

QUICK SELECTION	CERTIFICATIONS		
		FOOD INDUSTRY	NUCLEAR INDUSTRY



DEGRILUB	Lubricant			
REDUCE 4	Power	•		
REDUCE 7	Non-flammable			
NANOLUBRICANT	Power +		•	
REDUCE AL	Food industry		•	•
DEGRYP' BIO	Organic		•	
REDUCE 2N	Nuclear and energy industry			•
WR+	Multi-purpose	•		

DE-SEIZE

DEGRILUB

LUBRICANT

An essential product for mechanical engineering. Frees, protects and lubricates. Excellent wettability enables rapid action on small mechanisms: bolts, screws, etc. Anti-seize lubricant: for locksmiths, the automotive industry, the industrial sector, etc.

801

Temperature:
-30 to +100°C

- 4801A4** 650 ml aerosol
- 2801J1** 5 l jerry can
- 2801U2** 200 l drum

REDUCE 4

SUPER POWERFUL

Fast acting. Wetting, penetrating, rust removing, cleaning, water repellent, phosphating, lubricating. For very difficult dismantling operations without damaging the threads. Properties: prevents rust, corrosion and wear.

800



- 4800A8** 270 ml aerosol
- 4800A2** 405 ml aerosol
- 4800A5** 800 ml aerosol
- 2800i1** 500 ml spray bottle
- 2800i1** 1 l metal container
- 2800J1** 5 l jerry can
- 2800U2** 200 l drum



REDUCE 7

NON-FLAMMABLE

Penetrate, frees and eliminates carbon deposits. For all industries where fire hazard prevention is key: ironworks, glass works, mines, tunnels etc. Contains silicone. Eliminates residue, glue deposits, paint.

814

Flash point:
none

- 4814A4** 650 ml aerosol
- 2814J1** 5 l jerry can

NANOLUBRICANT®

HIGH TECHNOLOGY

Loosens, lubricates and penetrates. Water repellent, prevents corrosion. Fast acting. Silicone- free. Nanolubricant®: performance enhancing technology. Reduces loosening torque by 5. Increases productivity.

2025



- 42025A4** 650 ml aerosol

REDUCE AL

FOOD INDUSTRIES

Low surface tension fluid. Infiltrates, penetrates, cleans, lubricates with a de-seizing effect. Preventive and curative action against rust. For all kind of seized mechanism, small tools, conditioner, fastenings, plumbing, manufacturing and packing of food...

799



colourless
Odour: **none**

- 4799A2** 405 ml aerosol
- 2799J1** 5l jerry can

DEGRYP'BIO®

BIODEGRADABLE, VOC-FREE

For difficult dismantling operations in places where environmental protection is key: forests, rivers, lakes, seas, gardens, etc. Formulated for minimal environmental impact, from plant-based lubricating, degreasing and tar removing raw materials. Fast acting. Wetting, penetrating, water repellent, rust and corrosion inhibitor.

817



Flash point:
> 150°C

- 4817A4** 650 ml aerosol

REDUCE 2N

HALOGEN-FREE

Lubricating, de-seizing fluid with high penetrative power. Dissolves the residue formed by mounting pastes. Lubricates and protects. Penetrates, removes rust, dissolves tar and dirt on the dirtiest parts, infiltrates even the narrowest spaces. Very effective against salt water corrosion.

815



Cl - F - S - Br:
< 200ppm
PMUC: **04-033**

- 6815A2** 405 ml aerosol
- 6815i1** 500 ml spray bottle
- 6815J1** 5l jerry can

WR+

5 FUNCTIONS. OVER 1,000 USES

Removes moisture by repelling water on metal and eliminates short circuits. Rapidly penetrates by seeping into cracks, frees parts, ensuring constant operation. Protects, deposits a thin layer of anti-corrosive and lubricating substances. Cleans and gets under the dirt.

805



- 4805A4** 650 ml aerosol
- 4805A8** 270 ml TDS aerosol
- 2805J1** 5 l jerry can
- 2805U2** 200 l drum



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HOW TO CHOOSE A SOLVENT? OUR ENGINEERS' RECOMMENDATION

The right choice is to find a balance between evaporation rate, flash point⁽¹⁾, effectiveness (Kb value), the environment and price.

To facilitate your sometimes complex choice, given the scope of solutions we have provided a summary table below.

DRYING TIME	FLASH POINT	KB VALUE	PRODUCTS	PAGE
IMMEDIATE	None	135	504 SDI NEW	10
		130	518 ORASOLV A05	10
		120	514 ORASOLV 0	12
	< 21	100	507 NDI	12
		80	568 ORASOLV A	14
		75	503 KLEANER 516 NET FREINS	12 13
RAPID	> 23	100	9539 TAR OFF	13
		150	5432 ORASOLV S2	11
	> 30	85	581 ORASOLV R2	11
		70	512 ORASOLV L	11
		35	564 ORASOLV B30	10
		80	539 ORASOLV E	13
CONTROLLED	> 40	78	538 ORASOLV 89 CLI	13
		72	511 ORASOLV M1	11
		35	567 ORASOLV B40	10
		30	544 ORASOLV T	14
		70	540 ORASOLV P	11
		35	571 ORASOLV B60	10
AVERAGE	> 61	35	517 A62NU	12
		30	513 ORASOLV N	14
	> 62	83	820 ORASOLV F	11
		80	550 ORANGE SOLVENT	12
	> 67	80	550 ORANGE SOLVENT	12
	> 69	80	550 ORANGE SOLVENT	12
SLOW	> 75	150	5232 ORASOLV S232	11
	> 80	150	543 ORASOLV S1	14
	> 100	80	5820 COLZ'EMUL	13
	> 100	30	576 ORASOLV R2	14
	> 100	30	576 ORASOLV R2	14
	> 150	80	582 NATUR'SOLV	11

(1) Required temperature for the solvent to ignite spontaneously in the presence of a flame or spark (not to be confused with the autoignition temperature). Generally speaking, the lower the flash point, the faster the evaporation and the drier the solvent.



DEGREASE
STRIP
DISINFECT

CLEAN

HOW TO CHOOSE THE RIGHT DETERGENT AND ACHIEVE THE BEST RESULTS?

Making the right choice initially involves identifying the type of dirt you wish to remove, after which our table will help you make the link between your type of dirt and the pH of our product. This is essential for maximising effectiveness.

Our recommendations will subsequently allow you to make the appropriate choice in terms of equipment, dosage, temperature and action time.

	ACID pH					NEUTRAL pH			ALKALINE pH						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
targets	DESTRUCTIBLE DIRT					SUSPENDED DIRT			EMULSIFIABLE DIRT						
	Cement					Sugar			Grease						
	Rust					Starch			Lipids						
	Limescale					Salt			Proteins						
	Limestone					Dust			Emulsions						
	Mineral deposits					Fat			Soap						

IDEAL USE ACCORDING TO ORAPI

CHEMICAL ACTION (pH)

THE RIGHT ORAPI PRODUCT



TEMPERATURE OF MIXTURE

ALL OUR PRODUCTS ARE CONCENTRATES: diluting with water at 40°C improves the effectiveness of our products and prevents problems due to overdosing.



MECHANICAL ACTION

THE RIGHT EQUIPMENT parts washer, scrubber-drier, pressure washer, manual



ACTION TIME

THE RIGHT ACTION TIME Allow to work before rinsing or leave the parts to soak in our parts washers designed for this purpose.



STANDARD SOLVENTS

ORASOLV B30

RAPID EVAPORATION

Appropriate solvent for metallic surfaces, mechanical and electrical parts as part of inter-operation cleaning and routine degreasing. Deeply penetrates and completely dissolves greasy deposits and sludge. Leaves a perfectly dry surface. Can be used in finishing works.

2564i2	1 l container
2564J1	5 l jerry can
2564O1	20 l drum
2564U2	200 l drum

564

colourless

Flash point:
> 30°C
Dielectric strength:
> 40kV

ORASOLV B60

SAFE ANTI-CORROSION TREATMENT

Degreasing for all very greasy metal surfaces. Evaporates slowly, leaving a light, corrosion inhibiting film. Recommended for soaking to remove stubborn deposits.

2571i2	1 l container
2571O1	20 l drum
2571O2	25 l metal drum
2571O5	60 l drum
2571U2	200 l drum
2571 N1	1,000 l container

571



colourless

Flash point:
> 61°C
Dielectric strength:
> 40kV
Compatible with ultrasonic cleaning baths

CLEAN

ORASOLV B40

UNIVERSAL

Cleaning solvent which evaporates rapidly when blown dry. For the thorough degreasing of all soiled mechanical parts by grease and oil residues, even when oxidised and burnt.

2567i2	1 l container
2567J1	5 l jerry can
2567O5	60 l drum
2567U2	200 l drum

567



colourless

Flash point:
> 40°C
Dielectric strength:
> 40kV



NON-FLAMMABLE SOLVENTS

SDI NEW

INDUSTRIAL SUPER DEGREASER

Extremely powerful degreaser: burnt grease, synthetic fluids, fuel, tar, rubber, varnish and deposits produced by hydrocarbons. Dries immediately. Prepares surfaces prior to glueing or painting.

4504A5	800 ml aerosol
2504J1	5 kg metal jerry can
2504O1	20 kg metal drum
2504O5	60 kg drum

504

colourless

Mild orange scent.
Kb value: > 135
Non-flammable

ORASOLV A05

CLEANER/STRIPPER

For surface preparation. Perfectly dissolves grease, tar and oil deposits, resins, glues inks and paints. Rapid and total evaporation. Leaves a dry, clean surface, without any residue.

2518i2	1 kg container
2518J1	5 kg metal jerry can
2518O1	20 kg metal drum
2518U2	200 kg drum

518

colourless

Dielectric strength:
60kV
Kb value: > 135
Non-flammable

A 90H

CLEANER FOR ELECTRONIC APPLICATIONS

Extremely safe live contact cleaner. Rapid and total evaporation. Cleans electrical cabinets, coils, printed circuit boards, precision electronic equipment (relays, connectors, etc.). Defluxing solvent. Does not stain. Does not lead to the oxidation of parts once it has dried. Has no effect on plastic.

4508A4	650 ml aerosol
--------	----------------

508

colourless

Dielectric strength:
> 50kV
Non-flammable



HIGH-TECH SOLVENTS

ORASOLV L

RAPID EVAPORATION

New generation solvent appropriate for all mechanical and electrical parts, disconnected from power source. Rapidly cleans and leaves a perfectly dry surface. Ideal for applications where mechanical parts are very greasy.

2512i2	1 l container
2512U2	200 l drum

512



■ **light green**
Flash point:
> 30°C
Dielectric strength:
> 40kV
Kb value: > 70

ORASOLV P

VERY STRONG SOLVENT POWER

Formulated for the rapid and thorough degreasing of all very dirty surfaces. A3 type safety solvent. Can provide protection between machining operations. Ideal for applications where mechanical parts are very greasy.

2540i2	1 l container
2540J1	5 l jerry can
2540O1	20 l drum
2540U2	200 l drum

540



■ **light green**
Flash point:
> 61°C
Dielectric strength:
> 40kV
Kb value: > 70
Compatible with ultrasonic cleaning baths

ORASOLV L2

RAPID EVAPORATION - HIGHLY ACTIVE

Solvent containing a comprehensive formula based on carefully selected raw materials. Powerful, multipurpose solvent with a very quick action and very effective on all greasy deposits and oils. Leave a dry and clean surface after a few minutes.

2581U2	200 l drum
--------	------------

581



■ **colourless**
Flash point:
30°C
Kb value: > 85



ORASOLV M1

MULTI-PURPOSE WORKSHOP SOLVENT

Specifically formulated for degreasing all mechanical parts and metal surfaces in workshops. Penetrates deeply and dissolves greasy deposits and sludge on mechanical parts.

2511i2	1 l container
2511J1	5 l jerry can
2511O1	20 l drum
2511O5	60 l drum
2511U2	200 l drum

511



■ **green**
Flash point:
> 40°C
Dielectric strength:
> 40kV
Kb value: > 72

NATUR'SOLV

PLANT-BASED SOLVENT

High-tech new generation solvent, synthesised from plant-based raw materials. Excellent degreaser and tar remover. Penetrates deeply and dissolves greasy deposits and dirty oils. Protects against corrosion, VOC-free.

2582i2	1 l metal container
2582J1	5 l jerry can
2582U2	200 l drum

582



■ **colourless**
Flash point:
> 150°C
Dielectric strength:
> 40kV
Kb value: 80

ORASOLV F

TAR REMOVER

Thanks to its excellent dissolving and dispersing properties, ORASOLV F removes coke oven tar and all industrial residues (tar, oxidised grease, polymerised organic compounds etc.) from all metal surfaces. Specifically designed using highly refined compounds to provide optimal effectiveness and safety for tar removing operations in industrial environments.

282001	20 l drum
--------	-----------

820

Flash point:
67°C
Kb value: 83

ORASOLV S2

RAPID INK EVAPORATION

High-tech solvent. Soluble in water, allows easy rinsing of surfaces. Used neat for the cleaning and degreasing of numerous chemicals: printing ink, resin, glue. Very efficient solvent.

25432O1	20 l drum
---------	-----------

5432

■ **colourless**
Flash point:
30°C
Kb value: > 150

ORASOLV S232

INKS AND VARNISHES

Cleaning, dissolving, stripping of glues, paints, printing inks, varnishes, polymers and resins. Industry: cleaning of glues and varnishes. Printing industry: cleaning of inks, particularly those most resistant to cleaning. Cleaning of moulds in the plastic processing sector.

25232J1	5 kg jerry can
25232U2	200 kg drum

5232

Flash point:
> 75°C

DE-SEIZE



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ASSEMBLE

PROTECT

SPECIAL SOLVENTS

CLEAN

KLEENER

DRY SOLVENT FOR PLASTICS

Dry cleaner and grease remover quick drying. Cleaning of all devices and small mechanisms, contacts and printed circuits. Ideal to clean any difficult to reach and fragile surfaces. Highly concentrated grease dissolving ability. Does not contain chlorinated solvents. Does not damage fragile materials, labelling inks or plastics.

503

colourless
Apple scented
Flash point:
< 21°C

4503A4 650 ml aerosol

NDI

DRY SOLVENT.

Indispensable for pre-mounting cleaning and pre-painting preparation. Very rapid evaporation. Cleans metal and plastic surfaces (once a compatibility test has been carried out). Does not contain chlorinated solvent. Leaves a dry and clean surface.

507

colourless
Flash point:
< 21°C

4507A4 650 ml aerosol

2507J1 5 l jerry can

ORASOLV O

DRY - ULTRA-RAPID EVAPORATION

For surface preparation before painting or gluing. Dissolves resins, glues, inks and paints. Immediate evaporation. Leaves a completely clean and dry surface, without deposits. Cleaning of oxygen pipes and valves. Does not contain chlorinated solvent.

514

colourless
Flash point:
< 0°C

2514i2 1 l container

2514J1 5 l jerry can

2514O1 20 l drum

2514U2 200 l drum



ORANGE SOLVENT

DEGREASING TAR REMOVER

Cleans and dissolves grease. Tar and combustion residue remover and descaler. Protects mechanical parts by leaving a light, greasy film. Non-irritant. Excellent to remove labels. All uses.

550



orange
Fruity scented
Flash point:
62°C
Kb value: 80

4550A4 650 ml aerosol

2550i2 1 l container

2550J1 5 l jerry can

2550O1 20 l drum

2550U2 200 l drum

A 62 NU

HALOGEN-FREE

Solvent for the degreasing of very dirty mechanical parts and decontamination of radioactive particles. PMUC approved for nuclear and thermal power plants, hydroelectric facilities and subcontractors. Certified for the degreasing of low voltage (BT) and medium voltage (HTA) cables.

517



colourless
Flash point:
> 62°C
Cl - F - S - Br:
< 200ppm
PMUC: 01-024

6517i4 1 l spray bottle

6517J1 5 l jerry can

6517O1 20 l drum

6517U2 200 l drum

SPECIAL SOLVENTS



NET FREINS

516

BRAKE CLEANER

Dry cleaner, grease remover for brakes. Evaporate very quickly, does not attack plastics. Powerful spray. Removes oil, brake pad residue etc. Suitable for brakes on cars, lorries, trailers, machine tools etc. Surface preparation before gluing or painting.



colourless

Flash point:
< 0°C

4516A4 650 ml aerosol

2516J1 5 l jerry can

EMULSIFIABLE PRODUCTS

ORASOLV E

EMULSIFIABLE PRODUCT

Extra-powerful solvent. Powerful tar remover, cleaning of burnt residues. Degreases heavily encrusted mechanical parts, cement, concrete floors etc. Cleans brushes impregnated with solvent based paints.

539



■ blue

Flash point:
> 40°C

Kb value: > 78

2539i2 1 l container

2539J1 5 l jerry can

2539O5 60 l drum

2539U2 200 l drum

ORASOLV 89 CLI

ODOURLESS EMULSIFIABLE PRODUCT

Powerful tar removing solvent formulated using odourless raw materials. Cleaning of heavily encrusted mechanical parts, combustion residue and traces of tar. Recommended for applications in the nuclear industry and for subcontracting as it is halogen-free.

538

■ blue

Flash point:
> 40°C

Kb value: > 50

Cl - F - S - Br:
< 200ppm

2538J1 5 l jerry can

2538O1 20 l drum

2538U2 200 l drum

COLZ'EMUL

PLANT-BASED EMULSIFIABLE PRODUCT

Powerful tar removing solvent formulated using plant-based raw materials. Cleaning of heavily encrusted mechanical parts, combustion residue, fuel oil and traces of tar. Also used as a non-stick and mould release agent: concrete, tar, fuel oil. VOC-free

5820



■ Pale yellow

Flash point:
> 100°C

Kb value: > 80

25820J1 5 l jerry can

25820N1 1,000 l container

TAR OFF

POWERFUL EMULSIFIABLE PRODUCT

Highly effective product for the cleaning and removal of traces of tar, asphalt, combustion residue, even when burnt, as well as very stubborn grease and oil deposits. Public works companies, refineries, industrial boiler servicing companies, etc.

9539

colourless

Odour: **strong**

Flash point:
23°C

Kb value: > 100

29539O1 20 l drum

29539U2 200 l drum

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DE-SEIZE



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FOOD GRADE SOLVENTS

CLEAN

ORASOLV A

VERY QUICK DRYING

Dry solvent. Penetrates deeply and completely dissolves greasy residues and glues. Does not cause metal to oxidise once dry. Soluble in water. Can be used for the cleaning of glue residues, adhesives, labels, blood or sugar in a food processing environment.

568



colourless
Flash point:
< 21°C

4568A4	650 ml aerosol
2568J1	5 l jerry can
2568U2	200 l drum

ORASOLV T

RAPID EVAPORATION

For the cleaning of mechanical parts and stainless steel equipment. Excellent compatibility with gaskets, rubber and all plastics. Cleaning of food and pharmaceutical facilities.

544



colourless
Flash point:
> 40°C
Dielectric strength:
> 40kV

2544i2	1 l container
2544J1	5 l jerry can
254405	60 l metal drum
2544U2	200 l drum

ORASOLV N

MULTI-PURPOSE, ODOURLESS

Degreases mechanical parts. Cleans electrical and electronic components. Evaporates rapidly when blown dry. A3 type safety solvent.

513



colourless
odourless
Flash point:
> 60°C
Dielectric strength:
> 40kV
Can be used in ultrasonic cleaning baths

2513i2	1 l container
251301	20 l drum
2513U2	200 l drum



ORASOLV R2

VOC FREE

Penetrates deeply and completely dissolves greasy deposits. Leaves a light, greasy film which protects metals. Ideal solvent for safe cleaning, protects operators and the environment.

576



colourless
Transparent liquid
Flash point:
> 100°C
Dielectric strength:
> 40kV

2576i2	1 l container
2576U2	200 l drum

ORASOLV S1

INKS AND RESINS

High-tech solvent Soluble in water, allows easy rinsing of surfaces. Used neat for the cleaning and degreasing of numerous chemicals: printing inks, resins and glues. Very efficient solvent.

543



green
Flash point:
75°C
Dielectric strength:
> 40kV
Kb value: > 150

2543J1	5 l jerry can
254301	20 l drum
254305	60 l drum
2543U2	200 l drum
2543N1	1,000 l container



STRIPPERS

DÉCAPANT PRO

STRIPPER FOR ALL SURFACES

Very powerful industrial stripper specifically formulated for paint stripping in industrial and professional environments. Paint stripping from metal, wood and floors. Effective on recent and old oil-based, acrylic, epoxy, polyurethane, single- or two-pack paints. Does not contain CMR compounds.

6642

liquid
Consumption:
6-8 m²/l

- 26642I2 1 l container
- 26642J1 5 l metal jerry can
- 26642O1 20 l metal drum
- 26642U2 200 l drum

DÉCAPANT

GEL

Stripping of graffiti from walls, carriages, road signs, glass, wood etc. Efficient on paints and felt-tip stains. Stripping of all types of paint from all vertical surfaces.

585

gel

- 4585A4 650 ml aerosol
- 2585J1 5 l jerry can

VAND'X

ANTI-GRAFFITI

Solvent for removing graffiti (chalk, paint, wax, ink, spray can, marker, etc.) from painted or fragile surfaces. Ideal for removing graffiti from buses, underground trains and railway carriages as well as road signs without affecting their reflective properties.

9117

fluid liquid
Odour:
distinctive
Flash point:
> 55°C

- OH9117i4 1 l spray bottle



ALCAPOUDRE

POWDER STRIPPER

Powerful stripper for the removal of most paints by soaking. Soaking time depends on the chemical nature and thickness of the paint, soaking bath temperature and age of the coating. Active compound concentration (100%). It is totally soluble in water. Does not contain carcinogen, mutagenic or reprotoxic compounds. Powerful detergent.

1140

white
powder
Dosage:
50 to 80 / l

- 21140S5 25 kg drum

ORAFINISH

NEUTRALISER, LIGHTENER

Before painting on wood to neutralise the stripping product (ALCAPOUDRE 1140). Its neutralisation capacity avoids rejections. Lightening agent for use on certain types of wood which are susceptible to darkening after immersion in the stripping bath or wood that has darkened with age.

1130

white
liquid
Density: 1.2

- 21130O1 20 kg drum

DE-SEIZE



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ALKALINE DETERGENTS

CLEAN

ORANET B1

SUPER CONCENTRATED DETERGENT

Very powerful liquid detergent. Cleaning of car and lorry bodies, tarpaulins, painted surfaces; cleaning of heavily encrusted floors, machine frames etc. Can be used with a brush, in an automatic washing system, scrubber-drier or pressure washer.

2515i1	500 ml spray bottle
2515i2	1 kg container
2515J1	5 kg jerry can
2515O1	20 kg drum
2515O5	60 kg drum
2515U2	200 kg drum

515



■ **Light blue**
Dosage:
0.5% to 20%
pH diluted
to 5%: **12.5**

ORANET B15

READY-TO-USE DETERGENT.

Derived from the powerful ORANET B1 formula, ORANET B15 is a ready-to-use version with an accurate, optimised and standard dosage. It is recommended for workshops where operators are not authorised or equipped with the right tools to dilute the detergent. Cleaning of floors, machines and vehicles.

2546U2	200 kg drum
--------	-------------

546

■ **Light blue**
pH: **12.5**



ORANET A

FOOD INDUSTRIES

Cleaning of tanks, truck tarpaulins, floors, machine frames, production and packaging of wine, beer, vegetables, meat, biscuits, dairy products etc. Can be used with a brush, in an automatic washing system, scrubber-drier or pressure washer.

2530i2	1 kg container
2530J1	5 kg jerry can
2530O1	20 kg drum
2530O5	60 kg drum
2530U2	200 kg drum

530



colourless
odourless
Dosage:
0.5% to 20%



ORANET C

FLOOR AND WALL DETERGENT

Powerful liquid detergent. Specifically designed for cleaning encrusted floors (concrete, tiled, painted etc.) in the automotive industry, dirty production units, changing rooms, showers etc. Can be used with a brush, scrubber-drier or pressure washer.

2531i2	1 l container
2531J1	5 kg jerry can
2531O1	20 kg drum
2531U2	200 kg drum

531

■ **fluorescent pink**
Dosage:
1% to 20%
pH diluted
to 5%: **< 11**



ORANET S

NON FOAMING

Very powerful multi-purpose cleaner for scrubber-driers and high-speed or ultrasonic cleaning equipment. Does not foam, even under heavy agitation. Biodegradable. Used for difficult factory cleaning operations: floors, tiles, changing rooms etc.

2533i2	1 l container
2533O1	20 l drum

533

■ **orange-yellow**
Dosage:
2% to 15%
pH: **10.5**

MECAMATIC

SUPER ALKALINE LIQUID DETERGENT

Cleaning and renovation of very greasy and dirty surfaces. Floor cleaning in petrol stations, garages, stills, distillers in the food processing industry. Reserved for professional use. Used neat or diluted. Recommended for use in washing machines.

29062J1	5 l jerry can
29062O1	20 l drum
29062O5	60 l drum

9062



■ **light brown liquid**
pH diluted
to 10%: **13-14**

ALKALINE DETERGENTS

ORANET M

METAL PARTS

Powerful detergent for use on unpainted metal. Cleaning of vehicle bodies, housings, machine frames, mechanical parts. Can be used with a brush, in a bath or with a pressure washer. Perfectly cleans water-based paints and inks.

2532i2	1 l container
2532J1	5 kg jerry can
2532O1	20 kg drum
2532O5	60 kg drum
2532U2	200 kg drum

532



■ **yellow**
Dosage:
0.5% to 20%
pH: < **9.8**

ORANET M25

READY-TO-USE DETERGENT.

Ready to use biodegradable water-based degreaser for all metal mechanical parts where avoiding the risk of corrosion is important. Solvent-free. VOC-free. Dissolves grease, oil, carbon residue, sludge, scale etc. Enhanced anti-corrosive power. It is ready to use. ORANET M25 is the ideal substitute for solvent-based degreasers.

2532501	20 kg drum
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5325



■ **yellow**
pH: < **9.5**

ORAZYM

CONCENTRATE OF MICROORGANISMS

Helps continuously break down the oil and grease in biological parts washers. Non-pathogenic microorganisms. ORAZYM contains microorganisms which constantly regenerate the bath via the BIOREMEDIATION process. Destroys and eliminates fatty residues in water-based parts washer basins. VOC-free. Dissolves grease, oil, sludge etc. Reduces the unpleasant odours of parts washers.

25326J1	5 l jerry can
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5326

■ **yellow liquid**
Temperature:
5 to 45°C

QUICK SOL HP

EXTREMELY POWERFUL DETERGENT

Very powerful liquid detergent and nicely perfumed. The complex formula combines a powerful detergent with a solvent to produce an extremely effective product. Dissolves and removes all traces of greasy deposits with amazing efficiency.

29083i2	1 l container
29083J1	5 l jerry can
29083O1	20 l drum
29083O5	60 l drum
29083U2	200 l drum

9083

■ **fluorescent orange**
Pine scented
pH diluted to 10%: **12-13**
Dosage:
3% to 30%



CITRON GP

CITRUS EXTRACT DETERGENT

Scented liquid detergent for the effective cleaning of warehouses, garages, hangars, commercial premises, etc. Recommended for underground car parks and markets.

2903001	20 l drum
2903005	60 l drum
29030U2	200 l drum

9030

■ **fluorescent orange**
Fresh citrus scent
pH: **12-13**
Dosage:
5% to 30%



NEUTRAL DETERGENTS

ORANET N

PH NEUTRAL DETERGENT

Multi-purpose, VOC-free mild liquid detergent. Cleaning of lorry and car bodies, tarpaulins, painted surfaces, floors, machine frames, regular maintenance of aluminium parts, etc. Can be used with a brush, in an automatic washing system, scrubber-drier or pressure washer.

2537J1	5 l jerry can
2537U2	200 l drum

537

■ **translucent blue**
Fresh marine scent
pH (pure product): **7.5**
Dosage:
5% to 40%

NEUTRALISING POWDER

ACID POWDER

Acid powder designed to neutralise alkaline pH cleaning baths prior to disposal or treatment. Non-corrosive powder. Easy to use. Rapidly and effectively neutralises baths with a pH ranging from 8 to 14. Recommended dose approximately 5 kg for 400 litres (see TDS).

215156S1	5 kg tub
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15156



■ **white powder**
Completely water soluble

DE-SEIZE



CLEAN

LUBRICATE

ASSEMBLE

PROTECT

ACID DETERGENTS

RENOV'CUIVRE

682

COPPER RESTORER

Highly concentrated, VOC-free cleaning, stripping agent and restorer. Completely eliminates any traces of oxidation, greasy deposits, solder and blowtorch residue. Cleaning of all forms of copper in all industrial sectors, stainless steel and PVC. Passivate and matting of metals (aluminium, cast iron, treated steels). Use diluted, rinse after use.



■ yellow
pH: 1

2682J1	5 kg jerry can
2682O1	20 kg drum

ORARENOV

535

ALUMINIUM STAINLESS STEEL RESTORER/ STRIPPER

Removes greasy deposits and surface oxidation from metallic parts. Ideal for aluminium and stainless steel cleaning and maintenance. Excellent stripping compound. Ready to use. Can be used diluted.



colourless
pH: < 1

2535i2	1 kg container
2535J1	5 kg jerry can
2535U2	200 kg drum

CLEAN

ORATARTRE

962

POWERFUL DESCALER

Non-flammable scale remover for all industrial devices, pipes, boilers, heat exchangers, heating coils, heater tanks. Does not cause metal oxidation, dissolves limescale deposits. Dissolves also cement stains, cleans tile joints, concrete mixer. Ready to use. Can be used diluted in water.

■ yellow
pH: < 1

2962i2	1 kg container
2962J1	5 kg jerry can
2962O1	20 kg drum
2962U2	200 kg drum

RUST AND CONCRETE REMOVER

744

EXTRA-STRENGTH DESCALER

Concentrated descaler for all industrial devices, pipes, boilers, heat exchangers, heating coils, tanks, radiators. Dissolves even the thickest limescale deposits. Dissolves cement stains, cleans tile joints, concrete mixer, masonry tools. Excellent stripping compound for all metals subject to surface oxidation. Ready to use. Can be used diluted.

pH: < 1

2744J1	5 kg jerry can
2744O1	20 kg drum
2744U2	200 kg drum

ORANGE CRÈME +

5802

CITRUS

Orange extract hand soap (solvent-free) with pumice stone for in-depth cleaning. Softens the skin, contains plant-based surfactants, glycerin and talcum powder. Very effective for cleaning grease, oil, asphalt, ink, paint, and rust.

■ orange
Citrus scented
Complies with the
NFT 73-101
standard



25802J1	5 l jerry can
25802KE	Box of 18 x 5 l jerry cans

ORAMOISS

5805

WATERLESS

Smooth, solvent-free foaming cleaner cleans hands without water and without drying. Ideal for sites that are far from water sources. Cleans hands without irritating them; does not leave hands greasy or dry. Smooth white foam, pleasantly scented, neutral pH, paraben-free and solvent-free. Economical: a small dab of cream is enough to remove the dirt. Ideal for sites that are far from water sources.

■ white
foam
Citrus scented
Neutral pH

45805A1	210/150 ml aerosol
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VSS

959

POWDER

Degreases and removes: ink, sludge, grease, oil, petrol, etc. Biodegradable cleaner made from pine cellulose and essential lavender and glycerin oils. Leaves the hands feeling soft. Suitable for all trades. Bucket size ideal for work site vehicles.

■ brown
Scent: lavender

2959S1	5 l bucket
2959O2	30 l drum
ACC007	Wall dispenser

ULTRA CLEAN

575

CLEANING WIPES

Wipes impregnated with a refreshing cleaning solution for the effective degreasing of hands and tools that have been heavily soiled by oil, grease, ink, paint, grass, diesel, etc. Cleans and leaves a pleasant scent on the hands. No rinsing required. Ideal for sites with no water.

Tangerine
scented

5575S9	Tub of 70 wipes
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PHOSPHATING

ORAPHOS 50

PHOSPHATE TREATMENT DEGREASER

Phosphate treatment and degreasing cleaner for all metal parts. The phosphate treatment protects against rust, is long-lasting and can be painted over. Metallurgical, boiler-making and automotive industries, amongst others

2963i2	1 kg container
2963J1	5 kg jerry can
2963O5	60 kg drum
2963U2	200 kg drum

963

■ yellow
pH: < 1
Dosage:
5% to 50%

ORAPHOS 60

PHOSPHATE TREATMENT RUST REMOVER

Phosphate treatment and rust removing cleaner. The phosphate treatment protects against rust, is long-lasting and can be painted over. Avoids the need for sand blasting or shot blasting. For renovating tanks, girders and a range of frames in the metallurgical, boiler making and automotive industries, amongst others. Can be used hot.

2964i2	1 kg container
2964O1	20 kg drum
2964U2	200 l drum

964

colourless
pH: < 2.5
Dosage:
5% to 35%

BRILLINOX

STAINLESS STEEL POLISHER AND RESTORER

Removes greasy films and stains while giving a lasting shine to cleaned surfaces: stainless steel, chrome etc. Polishing and protective properties. Dairies, breweries, machine frames, stainless steel structures, etc. Apply a small amount of product onto a cloth and start polishing. Polishing and protective properties.

4586A4	650 ml aerosol
2586J1	5 kg jerry can
2586U2	200 kg drum



586

colourless

DEO CHERRY

AIR FRESHENER, ODOUR NEUTRALISER

Neutralises and conceals the most lingering odours when sprayed directly onto sources of unpleasant smells. Improves the environment of sites which generate offensive smells: sewers, waste drop-off centres, public toilets, wastewater treatment plants, rendering plants, septic tanks, chemical industries, port areas, etc. Soluble in water.

2510i4	1 l spray bottle
2510O1	20 kg drum

510

■ pink
Cherry-vanilla scented
Dosage:
1% to 20%

ACTI'SEPTYL

DECONTAMINATING CLEANING AGENT

Multi-purpose 6-in-1 product: Kills viruses, bacteria, algae and fungi, decontaminates and cleans. For cleaning, disinfecting* and decontaminating areas where foodstuffs are handled (fishmongers, canning plants, sugar refineries, beverage companies, etc.) or animals are present, hospitals, local authority facilities, campsites and swimming pools.

2589i2	1 l container (ready to use)
2589J1	5 l jerry can
2589O1	20 l drum
2589U2	200 l drum

* Use biocides with care. Always read the label and product information before use.

589

colourless
pH: 12.9
Dosage:
0.01% to 4%

CODE 79

DRAIN UNBLOCKER

Destroys and eliminates all blockages consisting of fibres, fatty substances, hair, cotton wool, human and animal hairs, organic compounds, sponges, cigarette butts, etc. Used to unblock wastes from sinks, washbasins, toilets, etc. and suitable for plumbing, sanitation and maintenance purposes. The very high density of this product provides an additional mechanical action on the blockage. No effect on septic tanks. For professional use. Do not use on white PVC.

400021	1 l container
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579

■ dark
Density: 1.82

BIORAPI WC

BIOLOGICAL DESCALING TABLETS

Removes limescale and organic matter. Biological limescale removing tablet for toilets and pipelines. Used to remove limescale from sanitary facilities (toilets, urinals, washbasins and showers) and keep pipes clear. Its main constituents include: microorganisms, enzymes and a descaling agent.

29012S9	3 kg bucket/120 tablets
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9012

■ blue tablet
Mint scented
Consumption:
2 tablets/week

OURAGAN

ALL IN ONE

Ready-to-use, multi-purpose disinfecting and deodorising detergent. Cleans and degreases all surfaces. For use in offices, workshops, changing rooms, kitchens, etc. Compliant with the EN 1040 and EN 1276 standards - bactericidal after 5 minutes - and the EN 1275 and EN 1650 standards - fungicidal in 15 minutes.



25152i1	500 ml spray bottle
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5152

■ yellow-green
Transparent liquid
Odour: menthol eucalyptus
pH: 13.4

DE-SEIZE



CLEAN

LUBRICATE

ASSEMBLE

PROTECT

SPECIAL CLEANERS

CLEAN

COILTRON

RESTORER FOR AIR CONDITIONING COILS

Uses natural condensation to remove the dirt (grease, oil, lint, etc.) which is responsible for poor performance. Clean and helps maintain optimal heating and cooling efficiency without excessive use of energy. Spray directly into coil fins and filters diluted in water at a 1/3 ratio.

29031J1	5 l jerry can
2903101	20 l drum
2903105	60 l drum

9031

■ orange
Mint scented
pH diluted to 10%: **10**
Dosage: **1/3**

AQUATRON S220

HEATING AND COOLING EQUIPMENT DESCALER

Eliminates limescale, rust and sludge from condensers, air cooling towers, pipes etc. in industrial environments. Contains a colour indicator for checking that all the limescale has been removed. Use a 1/10 dilution for corrective maintenance or 1/20 dilution for preventive maintenance.

29011J1	5 l jerry can
2901101	20 l drum
2901105	60 l drum

9011



■ Red
pH: **1**
Dosage: **1/10 to 1/20**

NU-COIL 101

COIL CLEANER

Powerful coil restorer, rapidly disperses greasy and industrial deposits. Also eliminates traces of rust and limescale. Improves performance by eliminating the layers responsible for energy loss.

2906901	20 l drum
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9069

■ green
pH: **13**



ANTISTATIQUE

ANTI-STATIC CLEANING FOAM

Prevents dust build-up and prevents paper from jamming, sticking and clogging. Does not stain, quick evaporation. Designed for computers, offices, devices' screens, meters, plastic industry, synthetic furniture, automotive industry, electrostatic products packing...

4524A4	650 ml aerosol
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524

■ white
foam
silicone-free.

DLDR

CLEANING FOAM FOR PLASTIC

Foaming cleaner for all surfaces. Computer & television chassis, laminated furniture, neon signs, plastic or metal bumpers, photocopiers etc. Specifically designed for heavily encrusted surfaces, PVC or metal structures.

4500A4	650 ml aerosol
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500

■ white
foam
Menthol scented

NET'ECRAN

CLEANING FOAM FOR GLASS SURFACES

Antistatic cleaner for all glass surfaces, screens, office equipment, computer screens, photocopier glass, projectors, TV sets, etc. Quickly wipes away after spraying. Wait until surface is dry to plug in again. Screens will become perfectly clean. Compatible with new generation screens.

4502A4	650 ml aerosol
2502J1	5 l jerry can
250201	20 l drum

502

■ white
foam

SANITOR

CLEANING CREAM

Slightly abrasive lotion for the cleaning of plastic, metal, composite surfaces, industrial glass, leisure, DIY and domestic applications. Cleans, deodorises, polishes and shines all types of surface, even the most fragile.

29069I2	1 l container
2909201	20 l drum

9092



■ pink
cream
pH: **7.5 - 8.5**



SPECIAL CLEANERS



NET' DEX

501

ELECTRICAL CONTACT CLEANER

501 To be sprayed for cleaning and oxidation removal of electrical contacts. No risk for electrical devices. Excellent cleaner and degreaser for all electrical mechanisms (out of load). Let it dry after use.

4501A4 650 ml aerosol

2501U2 200 l drum

SOUFFLEUR

950

COMPRESSED AIR

Dust-removing aerosol with adjustable nozzle for printers, keyboards, optical readers, photos, videos, photocopiers, mechanical parts, etc. Mini compressed air duster that cleans without water. Dries all electro-mechanical equipment. Leaves parts perfectly dry after use.

Pressure: **6 bars**

4950A4 650 ml aerosol

GIVREUR

951

COLD GENERATOR

Generates intense cold. Multi-positions. De-seizes by thermal shock. Used in the IT industry to cool microprocessors and overheated hardware. Enables the detection of printed circuit board failures. Can also be used with mechanical devices to retract parts and allow shrink-fitting.

Temperature: **-52°C**

4951A4 650 ml aerosol

RENOV'PLASTIQUE

525

SILICONE-FREE.

Give your car interior a makeover with RENOV'PLASTIQUE. Revives and rejuvenates the appearance of your dashboard, giving it back its factory-fresh shine, all without polishing. Repels dust and has a pleasant fragrance.

Orange scented

4525A4 650 ml aerosol

NET'CLIM

5496

CLEANS, DISINFECTS AND PERFUMES

Powerful disinfectant with a bactericidal action and very long-lasting and pleasant minty scent. NET CLIM is suitable for all air conditioning systems, including those found in cars, lorries, buses, offices, waiting rooms, etc. Microbiological activity in accordance with the AFNOR 72, 150 standard - Tested by the Pasteur Institute. Bactericidal activity compliant with E.N. 1040 after 5 mins at 20°C. Supplied with the 57cm extension and omnidirectional diffuser.

colourless
Mint scented

45496A2 520 ml aerosol

MIRRO GARD

9063

PROTECTIVE CLEANING POLISH

Polishing and protective liquid for surface cleaning. Cleaning and degreasing of all types of surface: porcelain, glass, aluminium, stainless steel, chrome, plastic, brass, fibreglass, composites, marble. Industry, hotels, restaurants, schools, offices, car dealerships, department stores, museums.

■ **white**
opaque
Odour: **alcohol**
pH: **approx. 11**

29063i4 1 l spray bottle

AV 33

813

FIREARM CLEANER

Cleans, prevents corrosion and lubricates the firing pin, bore, breech, muzzle, barrel, trigger, bolt, rifling, striker, etc. Neutralises and eliminates powder combustion residue. For all firearms: shooting sports, armed forces, police, customs, etc. For preventive and curative applications.

■ **homogeneous**
yellow
Transparent
liquid
Temperature: **-60 to +200°C**

4813A8 270 ml TDS aerosol



DE-SEIZE



CLEAN

LUBRICATE

ASSEMBLE

PROTECT

TRADITIONAL SOLVENT PARTS WASHER

700051

DEGREASING PARTS WASHER

Pump parts washer designed for use with solvents

Prevents evaporation loss. Speeds up cleaning by using a hollow brush continuously filled with product via a pneumatic pump. Recovers the product when the clean parts are drained.

Designed to be placed directly onto a 200 l drum (Can be used on smaller 60 l drums with the 700057 adapter).

Pump parts washer
Replacement pumping system*
Replacement hose
Brush

700051
700055
7RACCORD
700056



700050

DEGREASING PARTS WASHER ELECTRICAL PARTS WASHER DESIGNED FOR USE WITH SOLVENTS

Prevents evaporation loss. Speeds up cleaning by using a hollow brush continuously filled with product via an electrical pump. Recovers the product when the clean parts are drained.

Designed to be placed directly onto a 200 l drum (Can be used on smaller 60 l drums with the 700057 adapter).

Electrical parts washer
Replacement pumping system*

700050
700053

*Pumping systems comes with: vacuum hose + strainer, pump, distribution hose + brush

CLEAN

40 L MIXED PARTS WASHER

700061

DEGREASING PARTS WASHER 40 LITRE ELECTRICAL PARTS WASHER

Ideal parts washer for maintenance workshops. Can be moved from one workshop to another easily. Designed to be used with 40 l of solvent or detergent, which limits chemical risks. Speeds up cleaning by using a hollow brush continuously filled with product via an electrical pump, and a soaking basin. Recovers the product when the clean parts are drained. Easy to drain.

Electrical parts washer
Rubber hose
Pump
Brush

700061
700079
700066
700056



TRADITIONAL DETERGENT PARTS WASHER

700057

ADAPTER



700058

DEGREASING PARTS WASHER DESIGNED FOR USE WITH DETERGENTS

Ideal system combining safety of operation and protection of the environment: no heating, no electricity. Prevents evaporation loss. Speeds up cleaning by using a hollow brush continuously filled with product via a pneumatic pump. Recovers the product when the clean parts are drained.

Designed to be placed directly onto a 200 l drum of ORANET M. (Can be used on smaller 60 l drums with the 700057 adapter).

Pump parts washer	700058
Replacement detergent pump*	700064
Adapter	700057

700085

DEGREASING PARTS WASHER

Heated washer made of stainless steel for use with ORAPI's ORANET M532. Can be used with or without additional enzymes (biological action). Has a hot bath closing lid, which prevents evaporation loss.

Max load: 40 kg
Work surface: approx. height 900mm
Worktray : 845mm x 500mm
Washing chamber: approx. 50 l
Heating capacity: 2kw



700084

WASHING MACHINE

Degreasing parts washer that cleans and degreases parts placed in the basket.

Basin	700 x 900 x 1030 or 900 x 1050 x 1130
Basket diameter	600mm or 780mm
Bath volume	70 l or 95 l
Permissible load	100 kg or 150 kg
Max temperature	70°C adjustable by thermostat
Timer	0 to 60 minutes
Washing pressure	2.2 bars

HEATED PARTS WASHER

700069

HEATED PARTS WASHER

Voltage: 230V AC, 60Hz
Heating element: 1,260 W
Pump: 380 l/hr
Liquid temperature: 41°C - Adjusted at the factory
Machine dimensions l x W x H: 90 x 60 x 112cm
Working height: 104cm
Basin dimensions l x W: 74 x 54cm
Max. basin capacity: 100 kg
Maximum liquid quantity: 110 l
Minimum liquid quantity for correct operation: 60 l
Weight (empty): 45 kg



DE-SEIZE



CLEAN

LUBRICATE

ASSEMBLE

PROTECT



OILS
GREASES
PASTES
VARNISHES
POWDERS

LUBRICATE

WHY LUBRICATE?

- 1 To: reduce friction**
- 2 Reduce overheating**
- 3 Reduce wear**
- 4 Prevent corrosion**
- 5 Improve efficiency**
- 6 Extend the life of mechanisms**

HOW TO LUBRICATE?

ORAPI's tribologists are there to advise you

Friction can be reduced in a number of ways; ORAPI offers **4 types of product to cover** all your requirements.

1 - OILS

In-depth lubrication in complex mechanisms (chains) or closed mechanisms (gearboxes) requires the use of oil.

The main benefit is the natural elimination of the heat energy generated by friction which affects the smooth running of the machines. We also offer a range of oils for metal working.

Our engineers can provide you with 2 types of viscoplastic solution, which they recommend for use in mechanisms where oil cannot be contained.

3 - GREASES

More than 80 different types of grease have been developed to respond to all the requirements of our 10,000 customers: speed, heat, humidity, oxidising environments, heavy loads etc.

You can also discover our unique range of greases based on nanotechnologies: NANOLUBRICANTS.

2 - VARNISHES AND POWDERS

"Dry" lubrication is primarily recommended for dust-filled environments and exposure to severe cold down to -200°C.

4 - PASTES

Comprehensive ranges of mounting and anti-seize pastes to keep fretting and tribocorrosion problems to a minimum.

They also help improve thermal and electrical conductivity by using diversified and first-choice mineral fillers in terms of grading and purity: zinc, aluminium, copper, graphite, molybdenum disulphide, ceramic and of course, NANOLUBRICANTS.



FOR AN ESTIMATE, ADVICE
OR SPECIFIC REQUEST

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CONTACT@ORAPI.COM

FOCUS ON GREASE

ORAPI's tribologists pay particular attention to the selection and use of high-performance additives

that they incorporate into our greases.

These can be liquids or solids such as MoS₂, graphite, PTFE and NANOLUBRICANTS and have a significant impact on the performance of the greases by: reducing the friction coefficient, increasing resistance to EP (extreme pressure), minimising material wear, improving adhesion, protecting against the premature oxidation of the grease, protecting metals against corrosion, etc.



GRADES

Penetration at 25°C

MECHANISM TO BE LUBRICATED	CENTRALISED GREASING	GEARS	BEARINGS	SEALING
Type of grease	Fluid grease	Soft grease	Standard grease	Thick grease
NLGI grade no. (tenths of mm)	0-00	1	2	3
	355-430	310-430	265-295	220-250

The grade varies depending on the temperature.
The grade increases for cold work - The grade decreases for hot work (the grease softens).

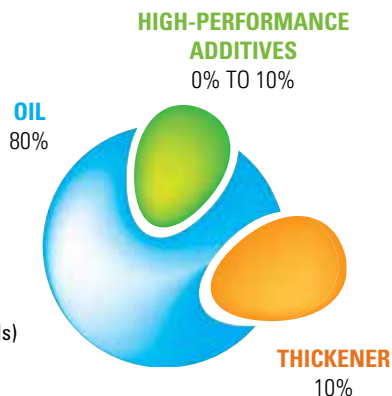
COMPOSITION

Grease consists of 3 components

The combined characteristics of these 3 components give grease its own characteristics.

The ratios are different for a paste:

High-performance additives (solids) can reach 60%



OILS

These can be mineral or synthetic. Synthetic lubricants currently represent only a small percentage of the overall lubrication market, but this proportion is rising.

PERFORMANCE

Grease performance is assessed by 2 tests:

- **Extreme pressure: 4-ball test:** load resistance of the lubricating film 40 to 800 kg. Result in kg.
- **Anti-wear test**
Wear resistance 40 kg / 1 hour. Result in mm.



THICKENERS

Help obtain the desired consistency thanks to simple or complex soaps, or silica, bentone or polyurea.

DRY LUBRICATION

MOLYSPRAY

MOLYBDENUM DISULPHIDE - MoS₂

Treatment and pre-treatment of all mechanisms and parts requiring assembly. Dry lubrication of small mechanisms. Facilitates running-in. The spray application gives a uniform layer. Works very well in extreme cold weather and dusty atmospheres.

4700A4 650 ml aerosol

700



■ **Dark grey**
Temperature:
-200 to +450°C

GRAPHENE

GRAPHITE

For the pre-treatment of surfaces or parts subject to very high temperatures or dusty atmospheres. Dries at room temperature. Excellent resistance of dry film. For stainless steel assembly with itself, tin mould releasing. Lubrication of runners, rods, glass etc.

4702A4 650 ml aerosol
6702A4 PMUC 650 ml aerosol

702



■ **black**
Temperature:
-70 to +900°C
Grading:
5 µm
PMUC: **19-227**

LUBRICATE

TEFLISS 2

PTFE

Clean and dry PTFE-based lubricant. With a very low friction coefficient. Water repellent, does not stain. For all mechanisms requiring a thin layer of micronised PTFE: sliding panels, saw blades, runners, conveyor belts, rotary and sliding joints, copying machines, reels etc.

4701A4 650 ml aerosol

701



■ **white**
Temperature:
-120 to +250°C
PMUC: **04-101**



BULK POWDERS

POUDRE 2115

POWDER GRAPHITE

Micronised graphite powder. To be used pure, as additive to lubricants, plastics... in order to increase their efficiency. Electrical conductor. Excellent dry lubricant for low and high temperatures and dusty atmospheres.

3721S3 1 kg tub
3721H4 15 kg bag

721

■ **black**
Temperature:
-70 to +900°C
Grading:
5 to 7µm

POUDRE PTFE

PTFE POWDER

Dry lubricant based on purified and micronised PTFE. Excellent lubricant properties. Highly inert towards chemicals, compatible with rubbers. Sliding agent for assemblies (joints, fasteners, valves). Dry lubrication in case of extreme conditions. Additive for lubricants.

3645B7 1 kg tin

645



■ **creamy white**
Temperature:
-120 to +250°C
Grading:
1 to 7µm

OR 05

MOLYBDENUM DISULPHIDE POWDER

724 To be applied with leather cloth, brush, or drum on rectified pieces, superficially thematically treated. Sticks to metal and leaves a dry lubricating film. Facilitates running-in. Can be used for pieces pre-treatment.

3724B7 1 kg tin
3724S1 5 kg tub
3724U0 100 kg drum

724



■ **black**
Temperature:
-200 to +450°C
Grading:
6 µm

ORABOR

BORON NITRIDE POWDER

Dry lubricant based on purified and micronised boron nitride. Excellent lubricating properties, exceptional resistance to temperature, high conductivity and inert towards chemicals. Compatible with rubber. Sliding agent for assemblies (joints, fasteners, valves). Dry lubrication under extreme conditions, additives for certain refractory materials, composites, lubricants, aluminium extrusion etc.

3711B5 450 g tin

711

■ **white**
Temperature:
-120 to +900°C
Grading:
2 µm

VARNISH

VERGRAF

GRAPHITE-BASED DRY VARNISH

Dry graphite-based varnish designed to reduce the friction coefficient on all types of surface. Dries at room temperature.

For pre-treatment of surfaces and pieces submitted to high temperatures in dusty atmosphere. Lubrication of runners, cylinder rods, hinges, foundry moulds, glass etc. Particularly suitable for combating fretting wear.

704

■ black

Temperature:
-70 to +900°CGrading:
5 µm

4704A4 650 ml aerosol

A20N

HALOGEN-FREE GRAPHITE VARNISH

Colloidal dispersion of micronised graphite in a binder. Forms a dry, smooth and adherent lubricating film. Resists to abrasion and gives metallic moving parts an excellent lubrication. Facilitates assembling and enables non-destructive dismantling. In particular stainless steel/stainless steel assemblies. Ideal in dusty atmospheres and for applications in very cold environments.

PMUC

■ black

Temperature:
-70 to +900°CCl - F - S - Br:
< 200ppm
PMUC: 04-037

6717i2 1 l container

POLYVER

PTFE-BASED BONDED COATING

PTFE-based clean and dry varnish designed to reduce the friction coefficient on all types of surface. Particularly suitable for protection against fretting wear. Extremely durable treatment thanks to its plasticity. Treatment of steel, aluminium, plastic, polymer, wooden mechanical parts, rods, sliding drawers etc. Ideal for wood lubrication; dust never adheres to this lubricant.

703

■ white

Temperature:
-30 to +230°C

4703A4 650 ml aerosol

VER L 149/5

WATER-BASED PTFE VARNISH

Water-based PTFE bonded coating designed to reduce the friction coefficient on all types of surface. Particularly suitable for protection against fretting wear. Extremely durable treatment thanks to its plasticity. Treatment of mechanical pieces in steel, aluminium, plastic, polymer. Used for the lifetime lubrication of plastic mechanisms in the electricity industry.

8285

■ blue

pH: > 9.5
Density: 1.31
ES: 51%

28285J1 5 kg jerry can

ORAVER L 183

PTFE FILM

Clean, quick-drying PTFE-based sliding film designed to reduce the friction coefficient on all types of surface. Chemically inert, does not stain. Extremely durable treatment thanks to its plasticity. Treatment of steel, aluminium, plastic, polymer mechanical parts. Used for the lifetime lubrication of plastic and metal mechanisms. Excellent mould release agent.

728

■ white

Temperature:
-125 to +250°C

2728i2 1 kg jerry can

2728J1 5 l jerry can



VIMOS 70

MoS2 VARNISH

Dry lubricating coating for all metals and plastics. Protect from oxidation. Not soluble in solvents and hydrocarbons. Polymerises at room temperature. Excellent dry lubricant for threaded pieces, spigots, small gearings, hinges, any mechanism in dusty atmosphere. Lubrication of valves and military hinges submitted to extreme cold. Efficient even on mechanism operating very occasionally.

726

ORAPI

Temperature:
-100 to +150°CViscosity:
400 ± 100 cPGrading:
6 µm3726B7 1 kg tin
3719i2 1 l container (diluent)

EMOS 60

MoS2 THERMOSETTING VARNISH

Dry MoS₂ lubricant based on thermosetting resins. Lubricates and protects all metal surfaces against oxidation; withstands solvents and acids. Excellent salt spray resistance. Excellent dry lubricant for gears, cylinders, jacks, threaded screws, pinions, racks, screws etc. Aeronautical equipment, lifetime lubrication of all hinges exposed to low temperatures and particle-charged environments.

720

■ black

Temperature:
-100 to +250°CViscosity:
80 ± 10 cPGrading:
6 µmSetting: 160°C -
40 seconds3720B7 1 kg tin
3719i2 1 l container (diluent)

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT

ANTI-SEIZE PASTES

LM 20

GRAPHITE-BASED

Exceptional adhesion, prevents oxidation, ensures perfect sealing of gaskets and connections. Lubrication of mechanisms, joints, taps, valves, bearings, operating in humid environments and at high temperatures. Facilitates assembling and disassembling.

3614T4	200 g tube
3614B7	1 kg tin
3614O2	25 kg drum

614

■ black
Temperature:
-40 to +900°C
4-ball EP:
400 kg

LM 50

HIGH-CONCENTRATION GRAPHITE

Graphite assembly paste, stable at very high temperatures. For axles, sleeve fittings, hinges, rollers, oven doors, forging and foundry tools etc. Facilitates assembly and dismantling thanks to its high graphite content.

3604B7	1 kg tin
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604

■ black
Temperature:
-40 to +900°C

SYG

SYNTHETIC GRAPHITE

Graphite assembly paste with synthetic base. Does not leave any residue other than graphite. For axles, bearings, cotters, pins, every piece submitted to heavy loads at very high temperatures.

3644B7	1 kg tin
3644O2	25 kg drum

644

■ black
Temperature:
-40 to +900°C

GRN

HALOGEN-FREE GRAPHITE

Chlorine-free, sulphur-free and fluorine-free anti seize paste, stable at high temperatures. Mechanical assemblies. Facilitates the running-in and dismantling of parts.

6613A4	650 ml aerosol
6613T4	200 g tube
6613B6	500 g tin

613



■ black
Temperature:
-80 to +900°C
4-ball EP:
250 kg
Cl - F - S - Br:
< 200ppm
PMUC: **04-016**



MOB 30

MoS₂ / GRAPHITE

Easy to use, for surface pre-treatment and mild-greasy lubrication, before mounting; for all mechanisms and parts that need to be lubricated afterwards. It makes mounting and breaking in easier. Mechanical warehouses, maintenance services.

3610T4	200 g tube
3610B7	1 kg tin

610



■ black
Temperature:
-40 to +450°C

PASTE SPRAY

MoS₂ IN A THIN LAYER

Easy-to-use spray can for the application of MoS₂ paste in thin and precise layers. Reinforced extreme pressure power. Lubrication of tooling, for all mounting and mechanical parts.

4603A4	650 ml aerosol
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603



■ black
Temperature:
-40 to +450°C

MOB 60

MoS₂ HIGH-CONCENTRATION GRAPHITE

Strong formula. The mechanics use this paste for the most difficult fixings. For breaking in and pre-treatment, use this paste with a leather cloth or with a brush. Strong resistance to extreme pressure. For all hard assembly. Prevents fretting corrosion. Mechanical workshops, fixing, maintenance.

3611T4	200 g tube
3611B7	1 kg tin

611



■ black
Temperature:
-60 to +450°C

TREAT & ASSEMBLE / ANTI-SEIZE

TM 900S

COPPER

Copper-based assembly paste for surface treatment and lubrication. Specifically designed to treat: tools, axles, rollers, slow-moving parts and all parts that will need dismantling. Recommended for pouring nozzles in steelworks. Electrical and thermal conductor.

4600A4	650 ml aerosol
3600B4	250 ml tin with brush
3600C4	400 g cartridge
3600B7	1 kg tin
3600O2	25 kg drum

600



■ copper
Temperature:
-40°C to 100°C

HT900

COPPER

Anti-seize product formulated to leave a thin lubricating layer. For threaded parts that will need to be assembled and dismantled after being exposed to very high temperatures. Refineries, dyeworks, oven, marine...

3637T4	200 g tube
3637B7	1 kg tin
3637S1	5 kg tub
3637U2	200 kg drum

637



■ copper
Temperature:
-40°C to 100°C



HTCU

COPPER

Copper paste specifically designed for the rail sector providing corrosion protection for threaded assemblies on carriages, engines and rail tracks.

3647T4	200 g tube
3647B7	1 kg tin

647



■ copper
Temperature:
-40 to 1100°C

COPA 1100

COPPER/GRAPHITE

Copper and graphite assembly and mounting paste for heavy loads and very high temperatures. Excellent anti seize resistance between steel / steel surfaces submitted to high pressures, easy to apply, very sticky, resists water, vapour, aggressive atmospheres. Threads, fastenings, bolting, gaskets.

3679T4	200 g tube
3679B7	1 kg tin

679

■ black
Temperature:
-60°C to
+1,500°C

N70

GRAPHITE/BORON NITRIDE

Synergy of solid lubricants. Strong anti-seize capacity, to be used on mechanical assemblies subject to severe conditions and very high temperatures. The combination of several solid lubricants makes N70 ideal for advanced applications. Particularly recommended for non-ferrous alloys.

6642B6	500 g tin
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642



■ black
Temperature:
-30°C to 1,400°C
Cl - F - S - Br:
< 200ppm
PMUC: 04-043

HT 600

ALUMINIUM

Contains a special base and micronised aluminium. Particularly effective for treating: tools, axles, rollers, slow movements and any part that must be dismantled.

4601A4	650 ml aerosol
3601T4	200 g tube
3601B4	250 ml tin with brush
3601B7	1 kg tin
3601S1	5 kg tub
3601O4	50 kg drum

601



■ aluminium
grey
Temperature:
-40 to +650°C



ANTI-SEIZE PASTES

NANOLUBRICANT®

HIGH TECHNOLOGY

Mounting, assembly and surface treatment paste. Protects against corrosion, seizing and wear caused by micro-movements. Prevents welding problems and all types of corrosion thanks to the Rehbinder effect.

42015A4	650 ml aerosol
32015B3	200 g tin with brush
32015B7	1 kg tin
3201551	5 kg tub

2015



■ **black**
Temperature:
-40 to +300°C

NANOLUBRICANT®

WHITE, HIGH TECHNOLOGY

Anti-seize paste specifically developed for applications in the food industry or when a clean paste is required. A result of ORAPI's NANOLUBRICANT® technology, this paste has outstanding anti-wear and anti-seize properties, 3 to 10 times greater than standard market pastes.

32030B7	1 kg box
32030S1	5 kg tub

2030



■ **white**
Temperature:
+150°C
NLGI Grade: **1**

NANOLUBRICANT®

WHITE, WATERPROOF

Clean mounting, assembly and surface treatment paste. Protects against corrosion, seizing and wear caused by micro-movements and inclement weather. Withstands high temperatures and facilitates dismantling. Good adhesive properties, does not run.

42040A4	650 ml aerosol
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2040



■ **white**
Temperature:
-60 to +200°C
4-ball EP:
800 kg
Wear: **< 0.4mm**



BA

FOOD INDUSTRY

White and clean assembly and mounting paste. Contains very high technology lubricating powders. Does not stain. Product especially formulated for maintenance workshops. To treat tooling, tools, pieces working at high temperatures: plastic moulds, in food industry, in paper mills...

3640T4	200 g tube
3640B7	1 kg tin

640



■ **white**
Temperature:
-25°C to +1,000°C

NB

WHITE, HALOGEN-FREE

Anti-seize boron nitride paste for assemblies exposed to very high temperatures. Mounting of all assembled parts that will need to be dismantled easily. Chlorine-free, fluorine-free, sulphur-free.

6643T3	100 g tube
6643B4	Tin with brush 250 ml
6643B6	500 g tin

643



■ **white**
Temperature:
-80°C to +1,400°C
Cl - F - S - Br:
< 200ppm
PMUC: **04-015**

PC 195

WHITE

Provide sealing and thermal transfer of heat energy while preserving the static and dimensional stability of protected devices. Alternators, starters, electrical and electromechanical devices.

3641B7	1 kg tin
364104	50 kg drum

641



■ **white**
Temperature:
-40 to +200°C
Silicone-based

L 362

HIGH EFFICIENCY

Heat-conducting assembly and sealing paste. Any domain where thermal conductivity between two surfaces must be improved, heat energy transfer must be facilitated and the transfer surface area must be increased. Alternators, starters, probes, electrical and electromechanical devices, heat sensors etc. Assembly, lubrication, sealing etc.

3641202	25 kg drum
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6412



■ **black**
Temperature:
-40°C to 180°C
Thermal conductivity:
0.8 W/m.K
NLGI Grade: **3**

THERMALLY CONDUCTIVE PASTES

STANDARD GREASES

CT 10

MULTI-PURPOSE LITHIUM GREASE

EP2 multi-purpose lithium grease suitable for general lubrication, maintenance and the automotive industry in applications that are not overly demanding. Lubrication of chassis, farm equipment, civil engineering equipment, etc.

3677C4	400 g cartridge
3677B7	1 kg tin
3677S1	5 kg tub
3677O4	50 kg drum
3677U1	180 kg drum

677

■ light amber

Temperature:
-25 to +130°C
NLGI Grade: **2**
4-ball EP:
250 kg
DN Factor:
350,000

CT 4

MoS2 GREASE

Greasing under very heavy loads, effectively combats wear thanks to its concentration of high-quality MoS2. Mechanical construction, automotive industry, arms industry etc. Safe lubrication of bearings.

4608A4	650 ml aerosol
3608T4	200 g tube
3608C4	400 g cartridge
3608B7	1 kg tin
3608O2	25 kg drum
3608O4	50 kg drum



608



■ grey/black

Temperature:
-30 to +165°C
NLGI Grade: **2**
4-ball EP:
315 kg
DN Factor:
350,000

CT 12 G

GRAPHITE GREASE

Greasing under very heavy load, fights effectively against wear thanks to presence of micronised graphite. Has an extremely low coefficient of friction. Humid conditions and mechanisms subject to shocks. Ideal for applications in the automotive industry, trucks and general industry.

3625C4	400 g cartridge
3625B7	1 kg tin
3625O2	25 kg drum

625

■ black

Temperature:
-30 to +130°C
NLGI Grade: **2**
4-ball EP:
315 kg
DN Factor:
350,000

CT 14

MULTI-PURPOSE, LITHIUM-BASED

Multi-purpose EP2 grease for bearings and mechanisms subject to heavy loads. Ideal for industrial applications, automobiles, trucks etc.

4602A4	650 ml aerosol
3602T3	100 g tube
3602C4	400 g cartridge
3602B7	1 kg tin
3602S1	5 kg tub
3602O2	25 kg drum
3602O4	50 kg drum

602



■ light amber

Temperature:
-30 to 165°C
NLGI Grade: **2**
4-ball EP:
315 kg
DN Factor:
350,000

CT 140

FLUID GREASE FOR CENTRALISED LUBRICATION

Multi-purpose fluid EP grease for bearings and mechanisms subject to heavy loads and requiring lubrication via a centralised system. Reinforced protection against extreme pressure and wear. Ideal for applications in the car manufacturing, HGV, and industrial sectors.

3680S1	5 kg tub
3680O2	25 kg drum
3680O4	50 kg drum
3680U1	180 kg drum

680

■ amber

Temperature:
-40 to +165°C
NLGI Grade: **0-00**
4-ball EP:
315 kg
DN Factor:
350,000

CT 143

LUBRICATION/SEALING.

Valves and taps can be sealed and lubricated in a single operation thanks to the thick, paste-like consistency of this product. Multipurpose EP3 grease for bearings and other mechanisms that require a thick grease. Ideal for industrial applications, cars and trucks.

3743B7	1 kg tin
3743O4	50 kg drum

743

■ amber

Temperature:
-30°C to +165°C
Drop point:
180
NLGI Grade: **3**
4-ball EP:
315 kg
DN Factor:
350,000

CT FLON

PTFE GREASE

Teflon® grease for lubrication under heavy load. Lubricating effect reinforced by Teflon, noise decrease, chemically inert. Ideal for lubrication on plastics. Good water resistance.

4607A4	650 ml aerosol
3607C4	400 g cartridge
3607B7	1 kg tin
3607S1	5 kg tub



607



■ light beige

Temperature:
-20 to 140°C
4-ball EP:
315 kg
DN Factor:
350,000

GRAISSE UNIVERSELLE

CLEAN GREASE

Adhesive, non-drip, odourless, corrosion inhibiting grease, compatible with all materials. Moisture resistant. For doors, locks, hinges, runners, chains, rubber or plastic parts, household appliances, tools etc.

4635A4	650 ml aerosol
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635



colourless

Temperature:
-30 to +150°C
Drop point: **none**
DN Factor:
350,000

SPECIAL GREASES

ENG CB 612

CABLES/GEARS

Soft grease for cables, gear reducers, bevel and hypoid gears, tooth couplings. Quarries, public works, crushers, ski resorts etc. Excellent anti-wear properties, considerably lengthens the lifespan of gear teeth.

4612A4	650 ml aerosol
3612C4	400 g cartridge
3612B7	1 kg tin
3612S1	5 kg tub
361205	50 kg drum
3612U1	180 kg drum

612

■ **light brown**
Temperature:
-50 to +220°C
4-ball EP:
780 kg
NLGI Grade: **0**

CT BIO

BIODEGRADABLE.

Multi-purpose grease for outdoor use: locks, barriers, agriculture, forest management, cable cars, public works, port areas etc. Excellent water and storm water resistance.

3687C4	400 g cartridge
368702	25 kg drum



687

■ **green**
Temperature:
-25 to +145°C
4-ball EP:
315 kg
DN Factor:
500,000

CT 300

INFUSIBLE GREASE

Grease with outstanding extreme pressure lubricating properties at high temperatures. Not soluble in water. No drop point, does not run, even if subjected to overheating. Recommended for steelworks: rolling mills, rubber, cardboard, paper industries etc. for main bearings, roller bearings etc.

3628C4	400 g cartridge
3628B7	1 kg tin
3628S1	5 kg tub
362804	50 kg drum

628

■ **light brown**
Temperature:
-40 to +210°C

CT 698

HYDROCARBON CONTACT GREASE

Lubrication in the presence of petrol and hydrocarbons, loading arms in refineries, vehicle petrol caps. Valve lubrication in the chemical and petrochemical industry.

3698C4	400 g cartridge
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698

■ **blue**
Temperature:
-35 to +75°C
Water resistance:
very good

CT 520

VALVE GREASE FOR THE PETROCHEMICAL INDUSTRY

Sticky highly adhesive grease, especially appropriated for valves and taps in chemical, and petrochemical industry, furthermore in very cold areas.

3630B7	1 kg tin
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630

■ **white**
Temperature:
-26 to +250°C
Drop point:
none
Water resistance:
very good

CT 51

HALOGEN-FREE

Versatile, multi-purpose grease for all types of mechanism: bearings, hinges, runners etc. Water and solvent resistant.

6629T3	100 g tube
6629C4	400 g cartridge
6629B7	1 kg tin
662902	25 kg drum

629

■ **white**
Temperature:
-20 to +160°C
Cl - F - S - Br:
< 200ppm
PMUC: **19.129**



CT 683

SILICONE-FREE JOINT GREASE

Specifically formulated without silicone for assembling joints in the automotive industry. Greasing and sealing of all mechanisms. Chemically inert. Does not affect seals. For greasing all elastomers. Protects electrical devices against moisture.

3683B7	1 kg tin
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683

■ **fluorescent white**
Temperature:
-50 to +230°C
Drop point:
none
NLGI Grade: **3.5**
Water resistance:
very good



GRAISSE A L'ARGENT (SILVER GREASE)

ELECTRICALLY CONDUCTIVE GREASE

Lubricant which considerably reduces the wear of electrical contacts while ensuring perfect electrical continuity. For circuit breakers, isolators, switches, braids, etc. Arc resistant.

3634B2	250 g tin
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634

■ **beige**
Temperature:
-20 to +250°C

SPECIAL GREASES

FORAGE 50

DRILLING GREASE

Drilling operations: water, oil, gas. Anti-seize lubrication of drill bits, drill collars, drill pipe couplings. Excellent anti-corrosion and anti-wear properties. Contact paste for aluminium/aluminium electrical connections.

3688T4	200 g tube
3688S1	5 kg tub
3688O6	75 kg drum

688

■ **Grey**
 Temperature: **-10 to +140°C**
 4-ball EP: **> 500 kg**
 Water resistance: **very good**
 Mineral filler: **zinc**


VASCO 15

HALOGEN-FREE VASELINE

Chlorine-free, sulphur-free, fluorine-free Vaseline codex grease, specifically designed to lubricate small, delicate mechanisms and joints. Delicate greasing of plastics, ways, cables, grooves, runners, locks.

6658T3	100 g tube
6658B7	1 kg tin

658


 ■ **white**
 Temperature: **-20 to +50°C**
 NLGI Grade: **3**
 Water resistance: **good**
 Cl - F - S - Br: **< 200ppm**
 PMUC: **19-084**



VASCO

VASELINE CODEX GREASE.

Specifically designed for the lubrication of delicate mechanisms: Textile, food, pharmaceutical, watch making industry etc.

3657C3	310 ml cartridge
3657B7	1 kg tin
3657S1	5 kg tub

657

 
 ■ **white**
 Temperature: **-20 to +50°C**
 NLGI Grade: **3**
 Water resistance: **good**

CT 691

LUBRICATION OF TELESCOPIC CRANE BOOMS

Water repellent, insulating, non-stick lubricating paste formulated with ultra-pure and PTFE-enhanced synthetic oils, for the mounting and lubrication of sliding and telescopic assemblies. Non-stick, long-term lubrication even in extreme weather conditions. Excellent resistance to inclement weather, extreme cold and very hot weather.

3691C4	400 g standard cartridge
3691C4 LS	400 g Lube Shuttle cartridge
3691O2	25 kg drum

691

■ **white**
 Temperature: **-50°C to +200°C**
 NLGI Grade: **1**
 4-ball EP test: **< 0.45mm**
 4-ball EP: **> 340 kg**

FOOD GRADE GREASES


CT 615

WHITE GREASE

Food-related industries. Water and detergent resistant. Direct and centralised greasing. Bearings, cams, packaging machines, conveyors etc.

3615T3	100 g tube
3615C4	400 g cartridge
3615CL	400 g Lube Shuttle cartridge
3615B7	1 kg tin
3615S1	5 kg tub
3615O4	50 kg drum

615


 ■ **white**
 Temperature: **-20°C to 160°C**
 Grade: **1.5**





CT FLON AL

PTFE GREASE

Greasing under heavy loads with the lubricating effect of PTFE, noise reduction. Chemically inert. Excellent water resistance, good adhesive properties. Bearings, conveyors, etc. ideal for use on plastics.

4618A4	650 ml aerosol
3618C4	400 g cartridge
3618B7	1 kg tin
3618S1	5 kg tub

618

 
 ■ **white**
 Temperature: **-40 to +170°C**
 DN Factor: **350,000**





CT 609

TRANSLUCENT GREASE

Does not stain, excellent water resistance. For chains, hinges, runners, cutting knives on packaging lines, sliding surfaces.

4609A8	270 ml TDS aerosol
4609A4	650 ml spray can
3609T4	200 g tube
3609C4	400 g cartridge
3609CL	400 g Lube Shuttle cartridge
3609B7	1 kg tin
3609O4	50 kg drum

609

 
 ■ **transparent**
 Temperature: **-30 to +150°C**
 Drop point: **none**

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT

SPECIAL GREASES

WSA

MARINE GREASE

Adheres, resists to water and steam. Multipurpose. Suitable for the marine environment and hydraulic industries. Bearings, axles, runners etc. Port areas, water treatment plants.

4605A4	650 ml aerosol
3605T4	200 g tube
3605C4	400 g cartridge
3605B7	1 kg tin
3605S1	5 kg tub
3605O2	25 kg drum
3605O4	50 kg drum



605



■ **green**
Temperature:
-30 to +130°C
4-ball EP:
315 kg
DN Factor:
500,000

CTDMEP 2

HIGH-TEMPERATURE GREASE

Synthetic top range grease for heavy loads and high temperatures. Paper mills, public works, textiles, cardboard plants, steelworks. Excellent resistance in humid environment. Excellent stability for long-lasting use.

3606B7	1 kg tin
3606S1	5 kg tub
3606O2	25 kg drum
3606O4	50 kg drum
3606U1	180 kg drum

606

■ **blue**
Temperature:
-30 to +230°C
4-ball EP:
315 kg
DN Factor:
500,000

LUBRICATE

CT 8 EP

EXTREME PRESSURE MoS2 GREASE

MoS2 lubricant specifically formulated for use in very hot and exacting environments. Public works, transport, car equipments, mines, boiler rooms. Greatly reduces noise and mechanism wear.

3617C4	400 g cartridge
3617B7	1 kg tin
3617O4	50 kg drum

617

■ **grey/black**
Temperature:
-20 to +230°C
4-ball EP:
315 kg



CT 830

HIGH-PERFORMANCE GREASE

Synthetic fluorinated grease, resistant to hydrocarbons and chlorates. Remains very stable over time. Recommended for difficult greasing jobs: refineries, chemical plants etc. Suitable for the lubrication of conveyors in epoxy painting booths.

3616T3	100 g tube
3616C5	800 g cartridge
3616B7	1 kg tin
3616S1	5 kg tub

616



■ **white**
Temperature:
-40 to +280°C
4-ball EP:
800 kg

CT 1240

HIGH PERFORMANCE GREASE +320°C

Perfluorinated, non-stick infusible grease, particularly suitable for aggressive and corrosive environments. Rollers for epoxy painting lines, valves for oxidising materials and petrol etc. Excellent water resistance.

3619T3	100 g tube
3619C5	800 g cartridge
3619B7	1 kg tin
3619S1	5 kg tub

619



■ **white**
Temperature:
-40 to +320°C
4-ball EP:
800 kg

WSA PB

GEARS SUBJECT TO EXTREME CONDITIONS

Extreme pressure tacky grease with excellent adhesion and enhanced water resistance. For open gears, cogwheels, cams operating in humid environments: cement works, harbour cranes, public works, quarries etc.

3659C4	400 g cartridge*
3659B7	1 kg tin
3659S1	5 kg tub
3659O4	50 kg drum

*Silicone type

659



■ **brown**
Temperature:
-30 to +120°C
4-ball EP:
> 500 kg
NLGI Grade: **1**
Mineral filler:
zinc

M 4

MoS2 INFUSIBLE GREASE

In-fusible grease with MoS2. Extreme pressure, does not run. Very stable during lifetime. Very stable at temperature. For bearings, axles, hinges, pumps, cable tensioners, etc.

3660C4	400 g cartridge
3660B7	1 kg tin
3660O4	50 kg drum
3660U2	180 kg drum

660



■ **Dark grey**
Temperature:
-35 to +225°C
NLGI Grade: **2**
Drop point:
none

SPECIAL GREASES

NANOLUBRICANT®

TOP-OF-THE-RANGE SEMI-SYNTHETIC

Grease rich in additives using new innovative technologies, with tremendous potential for advanced lubrication. Multi-purpose, high-performance grease.

42010A4	650 ml aerosol
32010C4S	400 g cartridge
32010C4	400 g Lube Shuttle cartridge
32010B7	1 kg tin
3201002	25 kg drum
3201004	50 kg drum



2010



■ **black**
 Temperature:
-30 to +230°C
 Speed: **500**
to 8,000 rpm
 4-ball EP:
800 kg

NANOLUBRICANT®

HIGH-TECH WHITE GREASE

Grease specifically developed for applications in the food industry or where clean grease is required. A result of ORAPI's NANOLUBRICANT® technology, this grease has outstanding anti-wear, extreme pressure and long-life properties, 2 to 4 times greater than other greases on the market.

32035C4S	400 g standard cartridge
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2035



■ **white**
 Temperature:
-30 to +150°C
 NLGI Grade: **2**
 4-ball EP:
500 kg

NANOLUBRICANT®

WATERPROOF MARINE GREASE

High-performance, long-lasting tacky and adhering grease resulting from new technologies. Calcium soap grease specifically formulated for very wet or underwater marine environments, notably severe weather and humidity conditions. For petroleum industries, port areas, wind farms, agriculture, public works, paper mills.

32045C4S	400 g standard cartridge
32045B7	1 kg box
3204504	50 kg drum

2045



■ **black**
 Temperature:
-30 to +130°C
 NLGI Grade: **2**
 4-ball EP:
800 kg

CT 665

SEVERE WEAR AND SHOCK CONDITIONS

Grease formulated using calcium sulfonate soap. Especially designed for very severe conditions: extreme pressure, wear, shocks, water resistance. Main bearings, oven bearings, foundry rollers, axles, frames etc. for agriculture, civil engineering, marine, steelworks, public works.

3665C4	400 g cartridge
3665B7	1 kg tin

665



■ **caramel**
 Temperature:
-25 to +190°C
 4-ball EP:
480 kg
 Water resistance:
very good

M 6

HIGH SPEED AND SEVERE COLD

Synthetic grease with lithium soap. Extreme pressure, resistant to low temperatures, ideal grease for lubrication in cold regions such as the poles, at very high altitude and in the refrigerating industry. Resists heavy loads and very high speed. Appropriate for spindle bearings and every bearing with big diameter at high speed.

3675C4	400 g cartridge
3675B7	1 kg tin

675

■ > ■
beige to brown
 Temperature:
-70°C to +120°C
 4-ball EP:
350 kg
 DN Factor:
1,000,000

M 7

MoS2 AERONAUTICAL GREASE

Extreme pressure synthetic grease enhanced with molybdenum disulphide. Excellent performance at low temperatures, withstands very high rotation speeds and ideal for large-diameter bearings. Resistant to heavy loads and shocks. Ideal grease for lubrication in regions such as the poles, at very high altitude and in the refrigerating industry or aeronautical applications.

3674B7	1 kg tin
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674

■ **black**
 Temperature:
-70 to +120°C
 4-ball EP:
350 kg
 DN Factor:
1,000,000

CT 662

HIGH-PERFORMANCE POLYUREA

Polyurea based soap. Excellent water and wear resistance. Compatible with almost all types of grease. Exceptional lifetime at high temperature. For bearings exposed to water, heavy loads and high speeds and temperatures: electric motors, fans, conveyors etc.

3662C4	400 g cartridge
3662B7	1 kg tin
366204	45 kg drum

662

■ **light brown**
 Temperature:
-20 to +150°C
 4-ball EP:
> 320 kg

M1RB LUBRIMOLY M2

LONG-LASTING GREASE

High-tech MoS2 grease for long-lasting lubrication in the aeronautical and aerospace industries (ARIANE SPACE approved) and the armed forces. Remains efficient a long time, even on pieces submitted to movements with a low frequency. Very stable to temperature changes.

3639T4	200 g tube
3639B7	1 kg tin

639



■ **Dark grey**
 Temperature:
-30 to +160°C
 4-ball EP:
315 kg

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT

SILICONE GREASES

SI 4

SILICONE GREASE

For the assembly and lubrication of all mechanisms. Water repellent. Excellent thermal conductivity, chemically inert. No effect on gaskets. For greasing all elastomers. Protects electrical devices.



3621T3	100 g tube
3621C4	400 g cartridge
3621B7	1 kg tin
3621O2	25 kg drum

621

colourless

Temperature:
-40 to +200°C

Drop point:
none

Water resistance:
very good

NLGI Grade: **2**

SI VIDE

HIGH-VACUUM GREASE

Formulated for the assembly and lubrication of all mechanisms under vacuum. Water repellent grease, very sticky, based on special silicone oils. Chemically inert. No damage on gaskets or elastomers.

3633T3	100 g tube
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633

colourless

Temperature:
-40 to +200°C

Drop point:
none

Water resistance:
very good

Vacuum capability:
10⁻⁴

SI 20

SILICONE GREASE

Enhanced anti-wear and anti-corrosion properties. For bearings, hinges and mechanisms operating in very humid atmospheres at high speeds and under medium loads. Absorbs heat energy.

3646B7	1 kg tin
3646O4	50 kg drum

646

beige

Temperature:
-30 to +160°C

SI 450

JOINT LUBRICATION

Silicone grease for assembling joints and lubricating all mechanisms in contact with water. Water repellent. Excellent thermal conductivity, chemically inert. Keeps rubber gaskets flexible. Protection of all electrical devices. Suitable for greasing all elastomers.

6648T4	200 g tube
6648B7	1 kg tin

648



colourless

Temperature:
-40 to +200°C

Water resistance:
very good

Cl - F - S - Br:
< 200ppm

PMUC: **19-172**

SI 528

LUBRICATION/SEALING OF VALVES AND TAP FITTINGS

Formulated for the assembly and lubrication of all mechanisms. Water repellent. Excellent thermal conductivity, chemically inert. Lubrication of industrial valves and fittings. Metal and plastic valves and cylinder rods. Compatible with all seals and elastomers.

3649T3	100 g tube
3649B7	1 kg tin
3649O2	25 kg drum

649

colourless

Temperature:
-40 to +200°C

Water resistance:
very good

NLGI Grade: **3**

SI ROBINET

VALVES AND TAP FITTINGS, FOOD INDUSTRIES

Lubrication of household and industrial valves and tap fittings. For metal, glass and plastic valves. Compatible with all seals and elastomers. The grease remains very stable when exposed to heat, hot or cold water or solvents. Chemically inert.

3651T3	100 g tube
3651B7	1 kg tin

651



colourless

Temperature:
-40 to +200°C

Drop point:
none

Water resistance:
very good

NLGI Grade: **2**

CT 630

FLUROSILICONE GREASE

High-tech synthetic grease specifically formulated to withstand heavy chemical stress: acids, strong oxidising agents, solvents, hydrocarbons. Bearings, fans, ovens, conveyors, electrical connectors. High stability within the time and in every kind of atmosphere.

3672T3	100 g tube
3672C4	400 g cartridge

672

white

Temperature:
-40 to +280°C

CTSI

AEROSOL GREASE

High viscosity lubricant for maximum resistance to bad weather. For the semi-greasy lubrication of chains, conveyors, plastic materials, rubber, locks, hinges, open mechanisms, pharmaceutical industry equipment, ski lift poles, etc. Excellent mould releaser.

4809A4	650 ml aerosol
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809



colourless

Temperature:
-60 to +200°C

SILICONE GREASES

SITEF 2

PTFE SILICONE GREASE

High-performance grease recommended for lubrication under vacuum in the presence of acidic or alkaline products. Excellent water resistance. Plastic-to-plastic lubrication. Does not stain. For (low speed) ball bearings operating at very high or very low temperatures, tap fittings, valves etc. in the refrigeration, chemical, petroleum and aeronautical industries, industrial bakeries, etc.

3620T4	200 g tube
3620C4	400 g cartridge
3620B7	1 kg tin

620



■ **white**
Temperature:
-60 to +280°C
NLGI Grade: **2**

SITEF 1

PTFE SILICONE GREASE: SOFT

High-performance grease recommended for lubrication under vacuum in the presence of acidic or alkaline products. where a soft grease is required. Excellent water resistance. Plastic-to-plastic lubrication. Particularly suitable for low temperatures. Does not stain. For cold industry, chemical industry, petrol industry, industrial bakeries, aeronautical environment...

3626B7	1 kg tin
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626



■ **white**
Temperature:
-60 to +280°C
NLGI Grade: **1**

SITEF 3

PTFE-BASED SILICONE GREASE HARD

Lubrication and sealing of valves and metallic, glass or plastic taps. Compatible with all gaskets. Lubrication under vacuum at low and high temperatures. Excellent resistance to water and chemicals. The thick texture provides a watertight seal as well as lubrication.

3654C4	400 g cartridge
3654B7	1 kg tin

654



■ **white**
Temperature:
-60 to +280°C
Viscosity:
≈ **22,000 cP**
at 25°C
NLGI Grade: **3**



SIL 50/50

SURFACE TREATMENT

MoS₂ silicone paste. Exceptional resistance to corrosive chemicals, water, steam and oxidation. Lubrication of mechanisms exposed to very low and very high temperatures. Widely used in aeronautics.

3823T3	100 g tube
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823



■ **Bluish grey**
Temperature:
-50 to +300°C
NLGI Grade: **1**
4-ball EP:
500 kg

SI 33

COLD SILICONE GREASE

Very powerful grease, at low temperature. It avoids joints' bonding and deformation. Frequent washing and oxidation resistant. Excellent for bearings, plastic materials, elastomers, joints, cams and runners. Excellent resistance to solvents and chemicals.

3652T3	100 g tube
3652C4	400 g cartridge
3652B7	1 kg tin

652



■ **white**
Temperature:
-60 to +175°C
Water resistance:
very good

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT

SILICONE OILS

LUBRICATE

SILAL

FOOD GRADE SILICONE LUBRICANT

Mould releaser for materials used in the food and pharmaceutical industries. Water repellent lubricant for chains, conveyors, open mechanisms where incidental contact with food may occur. Pharmaceutical industry, nappy folding and packaging etc. (ACS compliant).

812



colourless
Odourless
Temperature:
-40 to +180°C

4812A4 650 ml aerosol

SILICONE V 300

FLUID SILICONE OIL

Highly hydrophobic silicone lubricant, to be used neat. Can be used within a broad range of temperatures with no risk of congealing; chemically inert; resists frequent washing for several months. Lubrication of all mechanisms. Pharmaceutical grade, cosmetics.

825



colourless
Temperature:
-52 to +200°C
Viscosity at 40°C:
300 cSt

2825i2 1 kg container
2825J1 5 kg jerry can

SILICONE V 7500

VISCOUS LUBRICANT AND MOULD RELEASER

Powerful mould release agent, leaving no residue when hot. Lubricate plastics and rubber gaskets without damage. To be used with a large temperature range without risk to congeal, chemically inert, no risk of corrosion, resists during months even with frequent washes. For lubricating mechanisms exposed to very humid environments.

746

colourless
Temperature:
-45 to +200°C
Viscosity at 40°C:
7,500 cSt

2746J1 5 kg jerry can
2746U2 200 kg drum

SILICONE V 20,000

HIGH-VISCOSITY LUBRICANT AND MOULD RELEASER

Powerful mould releaser, leaving no residues at warm use. Lubricate plastics and rubber gaskets without damage. To be used with a large temperature range without risk to congeal, chemically inert, no risk of corrosion, resists during months even with frequent washes. For lubricating all mechanisms, particularly those exposed to very humid environments. Viscous coupler.

768

colourless
Temperature:
-42 to +200°C
Viscosity at 40°C:
20,000 cSt

2768i2 1 kg container
2768O1 20 kg drum

SILICONE SPRAY

LUBRICANT AND MOULD RELEASER

Aerosol version of silicone oil for easy and precise release. Excellent for releasing from rubber and plastic moulds. Very strong water repellent power. Withstands frequent cleaning. Lubrication of guillotine table and blade. Non-adhesive, antistatic lubrication of conveyor belts and slideways in the packaging and textiles industries.

803



colourless
Temperature:
-50 to +200°C
PMUC: **19-208**



4803A4 650 ml aerosol
6803A4 PMUC 650 ml aerosol

SILICONE V 100

LUBRICANT AND MOULD RELEASER

Powerful mould releaser, leaving no residues at warm use. Lubricate plastics and rubber gaskets without damage. To be used with a large temperature range without risk to congeal, chemically inert, no risk of corrosion, resists during months even with frequent washes. Lubricate all mechanism, notably mechanism submitted to a very humid atmosphere. To be used pure.

829

colourless
Temperature:
-50 to +200°C
Viscosity at 40°C:
100 cSt

2829i2 1 kg container

ESIL 10/10

RUBBER SLIDING AGENT

Silicone emulsion for perfect plastic/metal sliding. Mould release for concrete, rubber and other plastic materials. Excellent lubricant for protecting and assembling door and window profiles, footwear industry equipment, etc. Can be used neat or diluted. Water-based.

822

■ **white**
VOC content: **0%**
non-flammable

3822J1 5 l jerry can
3822O1 20 l drum

LUBRIFIANT 836

SEMI-GREASY SILICONE

Fluid lubricant based on pre-diluted silicone for a less greasy appearance. Water repellent mould releaser. Resist to oxidation and chemicals. Advised for metals. Does not damage plastics, nor rubber. Forms an anti adhering and lubricant film.

836

colourless
Temperature:
-45 to +200°C
Flash point:
30°C

2836J1 5 l jerry can

MECHANICAL OILS

ORALUB 32

TURBINES, SPINDLES

Provides corrosion protection of lubricated surfaces. Very low friction coefficient, anti-wear properties, adapted for central greasing. Fast spindle movements, hydraulic motors and pumps, precision mechanisms etc.

894

■ **yellow**
 Viscosity at 40°C:
32 cSt
 Flow point:
-21°C
ISO 32

2894J1 5 l jerry can
2894U2 208 l drum

ORALUB 46

HYDRAULICS, RUNNERS

Multipurpose lubricant with the last antioxidants additives, anti-wear and extreme pressure characteristics. Specially designed for power transmissions. Suitable for centralised greasing and oil mist lubrication systems. For application onto hydraulic motors and pumps, precision machine tools.

893

■ **yellow**
 Viscosity at 40°C:
46 cSt
 Flow point:
-18°C
ISO 46

2893J1 5 l jerry can
2893U2 208 l drum

ORALUB 68

RUNNERS, GEARS

Oil with high grip and extreme pressure additives and which guarantees anti-corrosion protection of lubricated surfaces. Avoids frictions and vibrations. For all runners, regardless of speed and load conditions, machine tool guides and sliders, cables, gears, gear reducers, hydraulic equipment, etc.

895

■ **yellow**
 Viscosity at 40°C:
68 cSt
 Flow point:
-15°C
ISO 68

2895J1 5 l jerry can
2895O5 60 l drum
2895N1 1,000 l container



CB 831

ENCLOSED GEARS

High-tech, very adhesive fluid lubricant capable of withstanding high temperatures under heavy loads. Contains extreme pressure additives, reinforced anti-corrosion property. No gap formation when using splash lubrication. Gears, cranes, public works equipment, port areas, ball mills for crushing ore, cable cars, gantries, etc.

831

■ **brown**
 Viscosity at 40°C:
220 cSt
 Flash point:
260°C
ISO 220

2831i2 1 l container
2831J1 5 l jerry can
2831U2 208 l drum

LUB CABLE

CABLE OIL

Very fluid, adhesive and highly penetrating oil for internal and external cable lubrication. Contains extreme pressure and water repellent agents. Increases the life span of crane, cable car, hoist, bridge crane cables and protects them against corrosion. Applied with a brush, by spraying or splash lubrication.

831E

■ **brown very fluid**
 Viscosity at 25°C:
100 cP
 4-ball wear
 1h at 40 kg:
< 0.4mm

2831E 01 20 l drum

DE-SEIZE

CLEAN



LUBRICATE

ASSEMBLE

PROTECT

MECHANICAL OILS

CB5

LUBRICANT FOR CHAINS

MoS₂-based penetrating lubricant Enhanced antioxidant, extreme pressure and anti-wear properties. Lubrication of chains, conveyors, mechanisms, etc. operating at high temperatures, subject to heavy loads and in dusty environments. Recommended by SEDIS.

4802A4	650 ml aerosol
2802i2	1 l container
2802J1	5 l jerry can
2802O5	60 l drum

802

■ black

Temperature:
-30 to +230°C

Viscosity at 40°C:
40 cSt

Viscosity at 25°C:
50 cSt

CB6

CLEAN LUBRICANT FOR CHAINS

Semi-synthetic water-resistant liquid. Anti-oxidising and anti-wear properties, for high temperatures. Does not stain or attract dust. Conveyors, forklift trucks, agricultural tooling, hobbies... Recommended by SEDIS.

4806A4	650 ml aerosol
3806i2	1 l container
3806J1	5 l jerry can
3806O1	20 l drum
3806U2	200 l drum

806

■ brown

Temperature:
-30 to 280°C

Viscosity at 10°C:
1,700-1,800 cSt

Viscosity at 40°C:
210 cSt

LUBRICATE



G 105 X

GRAPHITE-BASED CHAIN LUBRICANT.

Graphite-enhanced mineral oil for mechanisms operating at high temperatures under high stress. Not water soluble, protects against corrosion. Recommended for the lubrication of chains and conveyors in the textiles industry, on oil rigs, in port areas, glass works and the automotive industry. Advised in special applications: deformation, cutting, drilling.

3663J1	5 kg jerry can
3663O1	20 kg drum

663

■ black

Temperature: **up to +240°C**

Silicone-free

Viscosity at 25°C:
= 1,960 cP

NANOLUBRICANT®

HIGH TECHNOLOGY

Highly adhesive, water repellent fluid lubricant containing revolutionary additives. For cables, chains and gears. Resists to high temperatures and heavy loads. Reinforced anti-corrosion and anti wear properties. Increases lubrication longevity by 5, reduces wear by 4 and reduces friction by 2.

42020A4	650 ml aerosol
22020i4	1 l spray bottle
22020J1	5 l jerry can

2020



■ black

Temperature:
-30 to +300°C

Viscosity at 20°C:
220 cSt

4-ball EP test:
0

MOLIQ

SELF-CLEANING LUBRICANT

Extreme pressure fluid based on MoS₂. Developed for the external lubrication of points bearings, railway tracks and any mechanism operating intermittently and is exposed to dirt. Cleans and lubricates in one go. Underground railways, tramways, railways, merry-go-rounds.

2837i2	1 l container
2837J1	5 l jerry can
2837O1	20 l drum

837



■ black

Temperature:
-40 to +180°C

4-ball EP:
800 kg

ORAFLOX

PTFE LUBRICANT

High-technology, semi-greasy PTFE lubricant for long-lasting use. Reinforced anti wear and anti oxidation properties, excellent adherence. Very low friction coefficient. Excellent resistance to water and cold For chains, cables, slides, delicate mechanisms...

4705A2	405 ml aerosol
2705i2	1 l container
2705J1	1 l bottle

705



■ light amber

Temperature:
-20°C to 230°C

G 840

GLYCERIN OIL

Refined lubricant for delicate greasing. Very fluid, to be use for lubrication of micro-mechanisms, control devices and pressure gauge filling. Does not stain.

6840i2	1 l container
6840O1	20 kg drum

840



colourless

Temperature:
-20 to +70°C

Viscosity at 25°C:
800 cP

Cl - F - S - Br:
< 200ppm

PMUC: **19-108**

MOULD RELEASE OILS

ORATEN

SILICONE-FREE MOULD RELEASER

Multi-purpose, silicone-free mould-releasing and lubrication agent for plastics and rubber. Prepares surfaces for welding, duplicate moulding, electroplating and printing. Used in the wood industry to facilitate the sliding of balls bearings and trays.

811

colourless

Temperature:
-30 to +200°C

4811A4 650 ml aerosol

2811J1 5 l jerry can

PEI 35

MOULD RELEASER FOR DIFFICULT CONDITIONS

Product for mould releasing on plastics and rubber when complex shapes are difficult to release. Excellent non-stick properties for special polymers. Silicone-free product that can be painted or printed on after the product is released from the mould. Does not stain. Widely used for moulding plastic, provides an end product that is clean and perfectly to size.

838

colourless

Temperature:
-20°C to +150°C

4838A4 650 ml aerosol

FINE 121

LIGHT OIL

Highly fluid, clean lubricant for greasing delicate mechanisms. For lubricating micro-mechanisms, control apparatus, pneumatic circuits and chains in the food industry. Recommended by SEDIS. INS 3H for direct contact with foodstuffs.

810



colourless

Temperature:
-30 to +150°C

PMUC: 19-047

4810A4 650 ml aerosol

2810R1 125 ml oil can

2810J1 5 l jerry can

2810U2 200 l drum

6810A4 PMUC 650 ml aerosol

6810R1 PMUC 125 ml oil can

6810I2 PMUC 1 l container

ORAFLO AL

FOOD GRADE PTFE LUBRICANT

High-tech PTFE-based lubricant. Gives all treated mechanisms long term lubrication. Does not stain. Improve friction coefficient and eliminate noises. For the food industry (abattoirs, bottle conveyors etc.)

707



white

Temperature:
-20°C to +230°C

4707A8 270 ml TDS aerosol

4707A4 650 ml aerosol

2707i2 1 l container

2707J1 5 l jerry can



HUILE L 305

MULTI-PURPOSE SYNTHETIC OIL

Multipurpose lubricant with a much higher anti-wear power than traditional lubricants. Cleans, penetrates and lubricates very quickly. Protects against corrosion. Oil designed for abattoirs, canning, biscuit and cheese plants etc. for all types of lubrication: chains, gears, pinions, slideways. The viscosity is suitable for a broad range of applications and mechanisms.

565



colourless

Temperature:
-35 to +135°C

Viscosity at 40°C:
105 cSt

4565A4 650 ml aerosol

2565J1 5 l jerry can

DESUCR'OIL

SUGAR DISSOLVING OIL

Highly penetrating, sugar dissolving and lubricating white fluid. Dissolves sugar residue, infiltrates, lubricates and protects. De-seizes mechanisms blocked by large sugar deposits. White, tasteless and odourless lubricant. Food industries (chains, pinions etc.), sweet food packaging, production and processing equipment. Water-based.

819



white
Transparent liquid

Temperature:
+5 to +70°C

Flash point:
none

VOC content: 0%

2819J1 5 kg jerry can

281901 20 kg container

DE-SEIZE

CLEAN



LUBRICATE

ASSEMBLE

PROTECT

OIL ADDITIVES

FLUIDE HM

MoS2 ADDITIVE FOR MINERAL OILS

Colloidal MoS₂ suspension for improving the performance of all mineral oils. Enhances extreme pressure and anti-wear properties. Highly decreases warming up of tooling and friction, eases running in and avoids tooling quick wear. Advised for gear boxes, variators, bearings...

832

■ **black**
Dosage: **5% to 10%**
Viscosity at 40°C: **100 cSt**

3832i2 1 l container
3832J1 5 l jerry can

DOPE SBW

ADDITIVE FOR ALL TYPES OF OIL

Improves oil performance. Soluble with every mixing ration, even in additivated oils. Enhances extreme pressure and anti-wear properties. Reduces tooling warming up and avoid its premature wear. Recommended for gearboxes, variable speed controllers, gear reducers, bearings etc. in aeronautics, agriculture, industry etc. Ideal for improving the performance of soluble cutting oils.

860

colourless
Usage amount: **0.5% to 5%**
Viscosity at 40°C: **140 cSt**

286001 20 kg jerry can

NANOLUBRICANT®

ADDITIVE FOR LUBRICANTS

High-tech additive based on ORAPI's innovative NANOLUBRICANTS®. Enhances the extreme pressure and anti-wear properties of the lubricants which contain the additive. Enhances the vitality and efficiency of waste oil. Boosts the performance of low to medium-range oils. 100 ml = dose for 5 l.

2021



■ **black**
Temperature: **-30 to +300°C**
Usage dose: **1% to 3%**
Viscosity at 21°C: **1350 cP**

22021R4 100 ml bottle.
22021i1 5 kg container



LUBRICATE

FLUORINATED OILS

FLUIDE 830

SYNTHETIC LUBRICANT

High-tech fluid lubricant resistant to aggressive chemicals: strong oxidising agents, steam, oxygen, helium, hydrocarbons, and high temperatures. Compatible with plastic materials. Silicone-free. Can be used as a mould releaser. To be applied in a very thin coat.

830



colourless
viscous liquid
Odourless
Temperature: **-40°C to 280°C**
Density: **1.9**
Viscosity at 40°C: **89 cSt**

4830A2 405 ml aerosol
3830i2 1 kg container
3830J1 5 kg jerry can

FLUORE 60

FLUID SYNTHETIC LUBRICANT

High-tech fluid lubricant resistant to aggressive chemicals: strong oxidising agents, steam, oxygen, helium, hydrocarbons, and high temperatures. Compatible with plastic materials. Can be used as a mould releaser.

669



colourless
liquid
Odourless
Temperature: **-49 to +280°C**
Density: **1.88**
Viscosity at 40°C: **30 cSt**

3669i2 1 kg container



FLUORE 6

VERY FLUID SYNTHETIC LUBRICANT

High-tech, very fluid lubricant resistant to aggressive chemicals: strong oxidising agents, steam, oxygen, helium, hydrocarbons, and high temperatures. Compatible with plastic materials. Can be used as a mould releaser.

685



colourless
fluid liquid
Odourless
Temperature: **-70°C to +280°C**
Density: **1.83**
Viscosity at 40°C: **3.5 cSt**

368501 20 kg drum
3685I2 1 kg container

METAL WORKING - VANISHING FLUIDS



FTS 60

FOR STAMPING AND CUTTING THICK METAL SHEETS

Fluid for forming operations with complex shapes. Leaves a light very resistant film that protects pieces against corrosion. Perfectly appropriate for various operations on metals and alloys, even coated and very thick.

2878i2	1 l container
2878J1	5 l jerry can
2878O1	20 l drum
2878U2	200 l drum

878

■ **yellow**
Viscosity at 25°C:
2.8 cSt

FTS 879

PLANT-BASED VANISHING OIL

Vanishing (evaporating) lubricant for metal working: metal sheet working, forming, bending, stamping, shaping, rolling, folding and cutting. Formulated from edible plant-based oils. Manufacturing: food packaging, containers, beverage cans, tins, buckets, spray cans, oil cans, air conditioning fins etc.

2879O1	20 l drum
2879U2	200 l drum

879



colourless to light yellow
Odourless
Viscosity at 40°C:
2 mPa.s
Metal sheet:
up to 40/10mm

FTS 32

MEDIUM AND THIN MATERIAL CUTTING AND STAMPING

Vanishing fluid for working operations involving complex shapes. Leaves a light, very strong residual film which protects parts against corrosion. Contains extreme pressure agents. Automatic stamping: packaging, hoods, complex parts, precise cutting, shaping, rolling.

2874J1	5 l jerry can
2874O1	20 l drum
2874U2	200 l drum

874

colourless
Viscosity at 25°C:
1.5 cSt
Metal sheet:
up to 20/10mm

FTS 18

MEDIUM MATERIAL CUTTING AND STAMPING

Fluid for working operations involving complex shapes. Works very well on thin to medium thickness metal sheets thanks to its extreme pressure agents. Leaves no residue.

2869i2	1 l container
2869J1	5 l jerry can
2869O1	20 l drum
2869U2	200 l drum

869



colourless
Viscosity at 25°C:
1.3 cSt
Metal sheet:
up to 20/10mm

FTS 21

MEDIUM AND THIN MATERIAL CUTTING AND STAMPING

Chlorine-free, sulphur-free thermodegradable fluid for delicate working operations on thin materials designed for the food and pharmaceutical industry. Leaves a light residual film, nearly imperceptible Thermodegradable.

2872O1	20 l drum
2872U2	200 l drum

872



colourless
Viscosity at 25°C:
1.45 cSt

FTS 230 C

THICK METAL SHEETS, HIGH OUTPUTS

Fluid for working operations involving complex shapes and high consumption due to significant output. For thick metal sheets; contains extreme pressure agents. For the cutting, folding and shaping of steel straps. Stamping, folding, working, cutting, punching of all metals and special alloys. Automatic stamping: covers, boxes, packaging of all shapes.

2856CN1	1,000 l container
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856C



colourless
Viscosity at 25°C:
1.6 cSt

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT

METAL WORKING - NEAT OILS

FILDUC BIO

BIODEGRADABLE.

Neat oil for all machining operations, formulated from additives and base ingredients carefully selected for their biodegradability and performance. Can be used for a variety of operations, tools and worked metals. Specifically formulated for use in forestry operations, near rivers, ponds, in agriculture, ski resorts, quarries, etc.

4912A4	650 ml aerosol
2912J1	5 l jerry can

912



■ **brown**
Viscosity at 40°C:
41.3 cSt

FILDUC 1879

TAPPING, DRILLING, SAWING

Cutting oil with very good extreme pressure and anti-wear properties. Effective, multi-purpose product. Exceptional adhesion on screw taps and drills. Excellent for tapping difficult holes whether "blocked" or not in all types of steel, including stainless.

4859A4	650 ml aerosol
2859R1	125 ml oil can
2859J1	5 l jerry can
2859U2	200 l drum

859



■ **brown**
Viscosity at 40°C:
510 cSt



LUBRICATE



OLDUC 1227 SF

MACHINING OF HARD STEELS AND STAINLESS STEELS

Extreme pressure and anti-wear cutting oil for turning, milling, boring, tapping, bar turning and all difficult machining operations on stainless, treated and alloy steels. Thanks to its fluidity, it can be sprayed onto automatic lathes.

2855R1	125 ml oil can
2855J1	5 l jerry can
2855O5	60 l drum

855

■ **light brown**
Viscosity at 40°C:
25 cSt

2000 NUCL NF

HALOGEN-FREE

Cutting oil with excellent extreme pressure and anti-wear properties, free from halogen compounds; quickly dissipates the heat energy generated by machining. Its formulation and viscosity make it suitable for all uses on all materials, more specifically titanium and stainless steel machining in the nuclear and aeronautical industries.

6858A4	650 ml aerosol
6858i1	5 kg container
6858J1	5 l jerry can
6858U2	200 l drum

858



■ **yellow**
Viscosity at 40°C:
21 cSt
Cl - F - S - Br:
< 200ppm
PMUC: **19-083**

FTS 10 NU

ODOURLESS AND COLOURLESS

Synthetic colourless and odourless fluid with high anti wear and extreme pressure power. For the tapping and drilling of all metals, prevents the premature wear of cutting tools. To be applied pure, with brush or by spraying.

6865i1	1 l spray bottle
---------------	------------------

865



colourless odourless
Viscosity at 20°C:
180 cSt
Cl - F - S - Br:
< 200ppm
PMUC: **19-071**

TAPPING PASTES

TA 1800

TAPPING PASTE

Cutting paste with excellent extreme pressure and anti-wear properties, easy to apply onto the tools. Does not run. Increase tools life. Its formulation and texture make it suitable for all uses on all materials: a genuinely multi-purpose and efficient product. Exceptional adhesion on taps and drills, even in vertical and upside-down applications.

3886B6	500 g tin
3886S1	5 kg tub

886

■ **caramel**
NLGI Grade: **3**
VOC content: **0%**
4-ball EP:
580 kg



METAL WORKING - SOLUBLE OILS

ORACOU 311

DIFFICULT MACHINING OPERATIONS

Chlorinated emulsion specifically designed for difficult metal machining or very thick metals, stainless steel or ferrous metals. Turning, milling, drilling, tapping, boring.

2851i2	1 l container
285101	20 l drum
2851U2	200 l drum

851



■ **brown**
Usage amount:
4% to 6%
pH diluted to 5%:
9 to 10

ORACOU 32

NON-FERROUS METALS

Chlorine-free emulsion with a high concentration of unctuous and anti-wear additives, for the machining of non-ferrous metals, copper alloys, titanium, aluminium, copper, mild & semi-hard steel and light alloys. Turning, milling, drilling, tapping.

288201	20 l drum
2882U2	200 l drum

882

■ **brown**
Usage amount:
4% to 6%
pH diluted to 5%:
9 to 10

ORACOU 11

GRINDING

Synthetic lubricant solution specifically formulated for precision grinding, guaranteeing excellent internal and external protection of steel, cast iron, ferrous and non-ferrous metal parts, bearing tracks, bushed bearings, chocks etc. Easy to filter, does not foam, even under the most difficult grinding conditions.

2880J1	5 l jerry can
288001	20 l drum
2880U2	200 l drum

880

■ **green**
Usage amount:
2% to 3%
pH diluted to 3%:
9 to 10

ORACOU 252

VERSATILE, LONG-TERM USE

Chlorine-free microemulsion for milling, turning and sawing ferrous metals and white alloys, suitable for significant chipping. Product with excellent mechanical and microbial stability, allows for less frequent emptying.

2852i2	1 l container
2852J1	5 l jerry can
285201	20 l drum
2852U2	200 l drum

852

■ **yellow**
Usage amount:
2% to 6%
pH diluted to 5%:
9 to 10

ORACOU 892

HALOGEN-FREE

Micro-emulsion for milling, turning and sawing of ferrous metals and white alloys, appropriate for high volume metal chip removal. Product with excellent mechanical and microbial stability, allows for less frequent emptying.

6892J1	1 l bottle
689205	60 l drum
6892U2	200 l drum

892



■ **yellow**
Usage amount:
2% to 6%
pH diluted to 5%:
9 to 10
Cl - F - S - Br:
< 200ppm
PMUC: **19-070**



TREATMENTS

ORACOU 91

FUNGICIDE MAINTENANCE TREATMENT

Bactericidal and fungicidal product with cleaning action for restoring baths damaged by bacterial pollution. Recovers baths which are starting to turn, i.e. characterised by sludge and unpleasant odours. The bath will regain its initial appearance and odour within 24 to 48 hours of the treatment. Curative and preventive treatment.

2854i2	1 l container
2854J1	5 kg jerry can
285404	50 kg drum

854

■ **colourless**
Usage amount:
1% to 5%

ANTIMOUSS

BUBBLE ELIMINATOR

Additive formulated from stabilised, high-purity copolymers for eliminating foam in water-based solutions. The foam is eliminated within seconds in water-soluble cutting oils, lubricants, scale removers and detergents, in particular when they are vigorously shaken. To be used in small quantity.

2587i2	1 l container
--------	---------------

587

■ **white**
pH: **7.5**
Silicone-free.

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT

1

ASSEMBLE

BOND
SEAL
FIX
REPAIR



TOWARDS BETTER ASSEMBLY

In the imperfect world of mechanical assembly, **ORAPI has been developing solutions adapted to problems in all their forms since 1968.**

Here we will share some of our knowledge with you to help you make the best possible choices.



FOCUS ON ANAEROBIC RESINS



Anaerobic resins are single-component, single-bond adhesives.

These polymerise at room temperature when not in contact with oxygen and when the adhesive is in contact with metal. Applications are therefore limited to metals but they are numerous.

The benefits of the resins we manufacture are their excellent resistance to chemicals, high temperatures and vibration.

THE RATE OF POLYMERISATION DEPENDS ON:

- 1 the gap between the parts
- 2 the application temperature
- 3 the materials

THE USE OF RESINS CAN BE DIVIDED INTO 4 CATEGORIES:

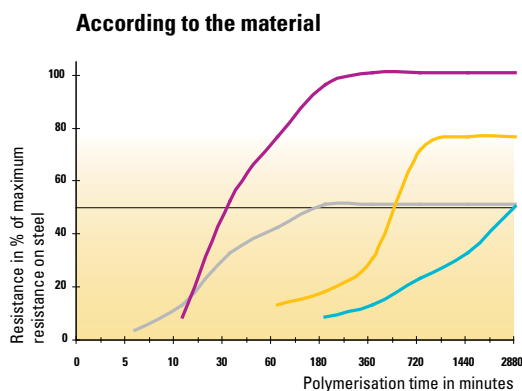
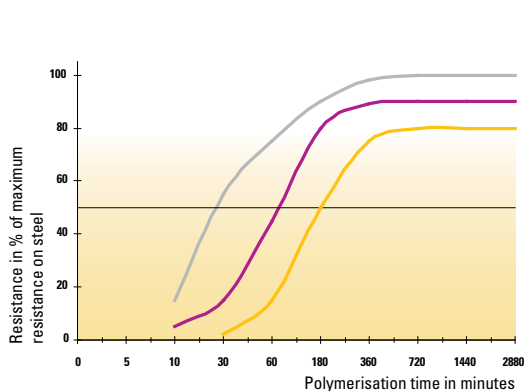
- 1 Screw and bolt locking
- 2 Fastening of cylindrical assemblies: rings and bearings
- 3 Thread sealing of fittings and plugs
- 4 Close mating surface sealing of crankcases, flanges etc.



**FOR AN ESTIMATE, ADVICE
OR SPECIFIC REQUEST**

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Rate of polymerisation of anaerobic resins



LEGEND

According to clearance

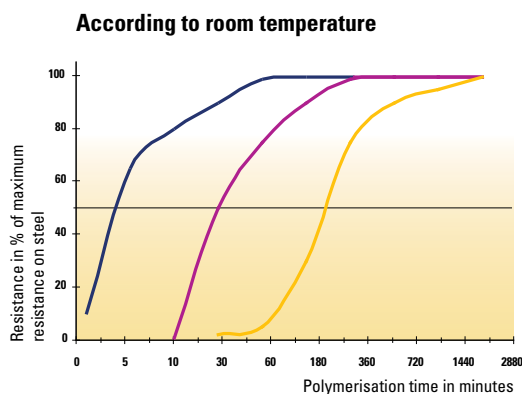
- CLEARANCE 0,05
- CLEARANCE 0,15
- CLEARANCE 0,25
- 50% RESISTANCE

According to the material

- Brass
- Galvanised steel
- Steel
- Stainless steel
- 50% RESISTANCE

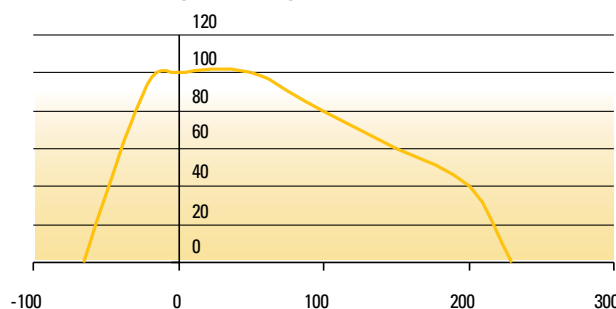
According to room temperature

- 40°C
- 22°C
- 05°C
- 50% RESISTANCE



Mechanical performance in % of resistance at 25°C

According to exposure temperature



PREPARATION

NETTOYANT 3141

PRE-GLUING SOLVENT

Dry degreaser specifically formulated for cleaning prior to gluing. Removes impurities, improves adhesion and setting speed. Quickly and totally removes all greasy particles stuck to material.

4016A4 650 ml aerosol

016

liquid
Odour: **strong and distinctive**

ACTIVATEUR 3140

SPECIAL ANAEROBIC RESINS

Speed up the polymerisation of anaerobic resins, reducing setting time.

Recommended:

- for use on galvanised or painted surfaces, stainless steel and aluminium,
- for large gaps
- when the temperature is below 10°C

1015M1 100 ml pump spray

1015i2 1 l container

6015M1 PMUC 100 ml pump spray

015



copper red liquid
PMUC: 16-055

FREINAGE ULTRA FAIBLE

VERY LOW RESISTANCE

For fragile assemblies to be dismantled easily using standard tools to avoid material deformation: bicycle wheel spokes, small screws in computers, watch making, eyewear etc.

1299F3 50 ml bottle

1299S1 5 kg tub

299

yellow-orange very liquid
Temperature: **-60 to +150°C**
Setting time/steel: **3 to 25 min**
Breaking strength on M10 steel bolts: **< 5 N.m**
CD 24hr/ M10 steel: **< 6 Nm**



FREINAGE FAIBLE

MODERATE RESISTANCE

For all threaded pieces which are to be easily dismantled with standard tooling. For all assemblies with limited stress or fragile. Prevents loosening due to small vibration stresses such as those acting on electric motor screws.

1306F3 50 ml bottle

1306F5 250 ml bottle

306

purple viscous liquid
Temperature: **-60 to +150°C**
Setting time/steel: **10 to 25 min**
CD 24h/ M10 steel: **< 13 N.m**

FREINAGE FAIBLE 15

MODERATE RESISTANCE, LOW VISCOSITY

For all assemblies to be dismantled easily using standard tools and with small gaps, on thin threads and small screws.

1307F3 50 ml bottle

1307F5 250 ml bottle

6307F3 PMUC 50 ml bottle

307



blue liquid
Temperature: **-60 to +150°C**
Setting time/steel: **10 to 25 min**
CD 24hr/ M10 steel: **7 to 13 N.m**
PMUC: 16-074

FREINAGE MOYEN

MEDIUM RESISTANCE

For all pieces, which are to be dismantled when, required with standard tooling. Excellent resistance to vibration.

1303F1 5 ml bottle

1303F9 24 ml bottle

1303F3 50 ml bottle

1303F5 250 ml bottle

1303i2 1 l container



303

blue viscous liquid
Temperature: **-60 to +150°C**
Setting time/steel: **10 to 25 min**
CD 24hr/M10 steel: **10 - 20 N.m**

FREINAGE MOYEN 15

MEDIUM RESISTANCE, FLUID THREAD LOCK

For all threaded parts to be dismantled, if necessary using standard tools. Fluidity perfect for thin threads and small fastenings.

1304F3 50 ml bottle

1304F5 250 ml bottle

6304F3 PMUC 50 ml bottle

304



red liquid
Temperature: **-60 to +150°C**
Setting time/steel: **10 to 25 min**
CD 24h/ M10 steel: **15 - 20 N.m**
PMUC: 16-049



THREAD LOCKERS

FREINAGE FORT

STRONG RESISTANCE.

Thread locking for metallic threads when dismantling is not required for maintenance or that are never to be dismantled.

300

■ green
viscous liquid
Temperature: **-60 to 150°C**
Setting time/steel: **10 to 25 min**
CD 24h/ M10
steel: > **25 N.m**
PMUC: **16-048**


1300F1	5 ml bottle
1300F9	24 ml bottle
1300F3	50 ml bottle
1300F5	250 ml bottle
6300F3 PMUC	50 ml bottle

FREINAGE FORT 15

STRONG RESISTANCE, LOW VISCOSITY

Permanent fixing of threads and dowels that are not to be dismantled. Fluidity perfect for thin threads and small fastenings.

301



■ green
liquid
Temperature: **-60 to 150°C**
Setting time/steel: **10 to 25 min**
CD 24h/ M10
steel: > **25 N.m**


1301F3	50 ml bottle
1301F5	250 ml bottle

FREINAGE MOYEN ALIMENTAIRE

MEDIUM RESISTANCE - FOOD GRADE

For assemblies to be dismantled using standard tools in the food industry: conveyor belts for fruit and vegetables, pumps for beverages, blood, dairy products etc.

298



colourless
viscous liquid
Temperature: **-60°C to 150°C (+230°C)**
Setting time/steel: **5 to 40 min**
CD 24h/ M10
steel: > **20 N.m**

1298F3	50 ml bottle
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FREINAGE FORT HT

STRONG RESISTANCE UP TO +200°C

Locking of metal threads which do not necessarily have to be dismantled and which operate at a temperature of around 200°C. Permanent fixing of items which do not normally need to be dismantled.

302

■ green
liquid
Temperature: **-60 to +200°C**
Setting time/steel: **10 to 25 min**
CD 24h/ M10
steel: > **25 N.m**

1302F3	50 ml bottle
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PRE-APPLIQUE

LOCKING/SEALING PRODUCT FOR PRE-ASSEMBLY APPLICATION

Pre-assembly thread treatment for locking and sealing threaded parts: the threads are treated in the workshop a few days before use. Dismantling with standard tooling.

458

■ light blue
liquid
Temperature: **-50°C to +100°C**
Setting time/steel: **immediate**
CD 24h/ M10
steel: < **8 N.m**

1458B7	1 l container
---------------	---------------



DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT

RING FASTENING FOR BEARINGS

FIXPRESS

310

VERY STRONG AND QUICK FASTENING

Very resistant to radial, axial and dynamic stresses. Helps extend machining tolerances recommended for clearance values of 0.15 to 0.25mm. Can be used as very strong, quick-setting sealant. Recommended for assemblies that cannot be dismantled.



■ green

Handling time:
3 to 5 min

Shearing strength:
> 25 N.mm²

Temperature:
-60 to +150°C



1310F3 50 ml bottle

1310F5 250 ml bottle

1310S1 5 kg container

FIXMETAL

312

REPAIRS DEFORMED PARTS

Paste product advised for repairing, without machining, used cylinder-shaped pieces with high and even irregular gap (0.25 to 0.5mm). Resists to impacts and vibrations. For bearings' housing gone oval, repairing of shafts with wear or scratches. Always used with ACTIVATEUR 3140.

■ grey

Handling time:
20 to 45 min

Shearing strength:
> 20 N.mm²

Temperature:
-60°C à +150°C

1312T2 50 g tube

BLOCK BAGUE

314

STRONG FASTENING - GAP < 0.05mm

Fluid resin recommended for small gaps. Fastening of rings, pulleys, bearings etc. with high shearing strength.



■ green

Handling time:
**10 to 25 min
on steel**

Temperature:
-60 to +150°C

Shearing strength:
> 20 N.mm²

PMUC: **16-050**

1314F3 50 ml bottle

1314F5 250 ml bottle

6314F3 PMUC 50 ml bottle

BLOCK BAGUE 60

313

STRONG FASTENING - MEDIUM GAP

Strong resistance for radial, axial and dynamic stresses. Recommended for gaps of 0.15 to 0.25 mm, on assemblies that cannot be dismantled: fastening of drive shafts, pinions, pulleys etc.



■ green

Handling time:
**10 to 25 min
on steel**

Temperature:
-60 to +150°C

Shearing strength:
> 20 N.mm²

1313F3 50 ml bottle

1313F5 250 ml bottle

BLOCK OIL TOLERANT

316

STRONG RESISTANCE, WITHSTANDS OIL

For application on pieces where degreasing cannot be perfect. Advised for gaps < 0.15mm. Fastening of rings, inserts, pulleys, bearings, cylinder liners etc. with high shearing strength.



■ green

Handling time:
**10 to 30 minutes
on steel.**

Temperature:
-60 to +150°C

Shearing strength:
> 15 N.mm²

1316F3 50 ml bottle

1316F5 250 ml bottle



RING FASTENING FOR BEARINGS

BLOCK ROULEMENT

MEDIUM RESISTANCE - GAP < 0.05mm

Affixing parts which need to be dismantled with standard tools in case of wear. Fittings reinforcement. Increase assemblies reliability.

318



■ red

Handling time:
**10 to 25 min
on steel**

Temperature:
-60 to +150°C

Shearing strength:
> 15 N.mm² (24h)

PMUC: **16-051**

1318F3 50 ml bottle

6318F3 PMUC 50 ml bottle

BLOCK ROULEMENT 60

MEDIUM RESISTANCE - MEDIUM GAP

Fastening of parts to be subsequently dismantled using standard tools in the event of wear. Fitting reinforcement for gaps between 0.15 and 0.25mm. Increase assemblies reliability. Fastening of bearings onto shafts or housings, liners, inserts, rings, pulleys etc.

317

■ red

Handling time:
**10 to 25 min
on steel**

Temperature:
-60 to +150°C

Shearing strength:
> 15 N.mm²

1317F3 50 ml bottle

1317F5 250 ml bottle

FLAT SEALING



PORAJOINT

SEMI FLEXIBLE FLAT SEALANT

Sealing gel with high adhesive power for all flanges, including vertical flanges. Replaces conventional seals with complex shapes: pump housings, motors, gear boxes etc. Also recommended for threaded metal seals with "medium resistance" when dismantling.

333



■ red

Temperature:
-60 to +150°C

Shearing strength:
> 15 N.mm²

Setting time at
20°C:
10 to 25 min

PMUC: **16-072**

1333E4 25 ml syringe

1333T2 50 ml tube.

1333T4 200 g tube

1333C3 300 g cartridge

6333T2 PMUC 50 g tube



ORAJOINT

FLAT SEALING

Sealing of machined close mating surfaces. Withstands vibrations, industrial fluids, oils and gases. Recommended for complicated close mating surfaces: pump housings, motors, gearboxes etc. Also recommended for threaded metal seals with "medium resistance" when dismantling.

324



■ red

Handling time:
5 to 25 min

Temperature:
-60 to +180°C

Shearing strength:
> 5 N.mm²

PMUC: **16-075**

1324T2 50 ml tube.

1324T4 200 ml tube.

6324T2 PMUC 50 g tube



DE-SEIZE

CLEAN

LUBRICATE



ASSEMBLE

PROTECT

THREADED SEALS

TUBELOCK C

PIPES AND NOZZLES

Sealing of threaded metal tubes and fittings up to 3 inches, for a speedy restart and medium resistance when dismantling. Low pressure sealing within minutes. Resistant to most chemical products. Quick setting on steel and brass. For stainless steel fittings, ACTIVATEUR 3140 should be used.

367



■ **yellow-orange**

Handling time:
2 to 10 min on steel.

Temperature:
-60 to +150°C

Breaking strength:
10 - 20 N.m.

1367F7 50 ml squeeze bottle

1367T2 50 ml tube.

1367T4 200 ml tube.

TUBELOCK EXTRA

SEALING OF FITTINGS AND PLUGS

Multi-purpose, single-component anaerobic adhesive for sealing metallic threaded caps, pipes and connections. Effective on all types of metal at low and high pressure. Sealant for hot and cold water, solvents, oils, refrigeration, petrol, compressed air and gas. Heaters, toilets, air conditioning, hydraulic and pneumatic mechanisms, vehicles, etc.

077



■ **yellow-orange**
Thixotropic putty

Continuous operating temperature:
-60 to +150°C

Resistance:
10 to 20 N.m.

Setting time at 20°C: **< 5 min** on copper and copper alloys. **2 to 10 min** on steel. **< 30 min** on stainless steel.

Maximum operation gap:
0.4 mm



1077 F7 50 ml squeeze bottle

TUBELOCK TEFLON®

EASY DISMANTLING

Paste for pipes and fittings up to 3 inches. Teflon® adds a lubricating effect which facilitates assembly and dismantling, notably in places that are difficult to access.

334



■ **blue**
paste

Handling time:
5 to 20 minutes on steel.

Temperature:
-60 to +150°C

Breaking strength:
1 to 8 N.m.

1334T2 50 ml tube.

TUBELOCK A

COARSE THREADS

Paste for the sealing of pipes and hydraulic connections with big diameter, with medium resistance. Possible dismantling with standard tooling without damaging threads. Replaces pastes and tapes on all pipes, fittings etc. in plumbing, heating, mechanical applications.

323

■ **red**
paste

Handling time:
3 to 15 min

Temperature:
-60°C to 150°C

Breaking strength:
5 - 15 N.m.

1323F7 50 ml squeeze bottle

1323T4 200 ml tube.



THREADED SEALS

HYDRAULOCK

HYDRAULIC/PNEUMATIC

Low resistant sealing gasket for pneumatic and hydraulic thread connections up to 3/4 inch. Withstands shocks, vibrations, most gases and fluids, hot/cold water etc. Easy dismantling using standard tools. Replaces pastes, hemp and tapes on all pipes, fittings etc. in plumbing, heating, mechanical applications.

329

■ brown

Handling time:
5 to 10 minutes on steel.

Temperature:
-60 to +150°C

Breaking strength:
5 to 10 Nm

1329F3 50 ml bottle

1329F5 250 ml bottle

HYDRAUBLOCK

SMALL DIAMETER FITTINGS

Sealing of threaded metal fittings and tubes up to 3/4 inch, with medium resistance when dismantling. Withstands shocks, vibrations, most gases and fluids, hot/cold water etc. Easy dismantling using standard tools. Replaces pastes and tapes on all pipes, fittings etc. in plumbing, heating, mechanical applications.

326

■ red

Handling time:
10 to 25 min

Temperature:
-60 to +150°C

Breaking strength:
10 to 20 N.m.

1326F3 50 ml bottle

1326F5 250 ml bottle



ETANCHELOCK

SEALING BY INFILTRATION

Very fluid adhesive using capillary attraction to penetrate threads, cylindrical parts and metal pores. Gap: 0.1mm max. For locking, ring and bearing fastening or post-mounting sealing operations in applications where pre-assembly adhesive application is impossible.

322

■ green

very fluid

Handling time:
10 to 30 min

Temperature:
-60°C to 150°C

Breaking strength:
> 20 N.m

1322F3 50 ml bottle

1322F5 250 ml bottle

JOINT LIQUIDE

PTFE-BASED PIPES

PTFE-based seal for metal fittings, hydraulic, pneumatic and heating pipes up to 3 inches where medium dismantling resistance is required. PTFE brings an excellent chemical stability. Facilitates assembly and dismantling.

331



■ white

Handling time:
20 to 40 min

Temperature:
-60 to 180°C

Breaking strength:
5 to 13 N.m.

1331T2 50 ml tube.

1331T4 200 ml tube.

PORALOCK

THREAD SEALING, HIGH RESISTANCE

Liquid sealing compound for metal, hydraulic or pneumatic fittings and threaded fittings subjected to severe vibration. Unaffected by hydraulic and synthetic fluids, most industrial fluids and gases, hot and cold water etc. Replaces pastes, hemp, tapes.

328



■ green

viscous liquid

Temperature:
-60 to +150°C

Shearing strength:
> 15 N.mm²

M10 steel release:
> 25 N.m

Setting time at 20°C:
10 to 25 min

PMUC: **16-071**

6328F3 50 ml bottle

DE-SEIZE

CLEAN

LUBRICATE



ASSEMBLE

PROTECT

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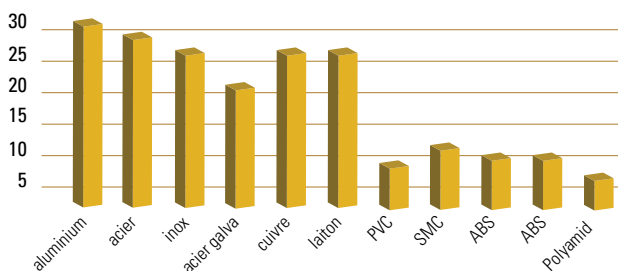
FOCUS ON STRUCTURAL BONDING

Gluing is a wide-ranging subject as the shape of parts, the nature of the surfaces, size, mechanical and thermal stresses vary depending on the customer.

Our engineers look at a wide range of specific situations every day; in the following pages, we will help you find the right solution for your needs. All our adhesives are tested on different traction and shearing devices to accurately identify the performance which can be expected of them.

Not only can we help with the choice of adhesive, we can also provide you with adhesives for manual use for minor or occasional operations as well as adhesives designed for industrial use, complete with glue applicator by way of example.

AVERAGE SHEARING STRENGTH in N.mm²
48 hour cure at 25°C



Example: 201-OREPOX 30

1 A range of DUAL-COMPONENT epoxy, polyurethane and acrylic adhesives.

These adhesives are comprised of a resin component and a hardener component, and begin to polymerise as soon as they are mixed together. The adhesive can be used to fabricate parts or replace materials.

Primary applications include:

- Gluing part with large or irregular gaps.
- Sealing and repairing holes, cracks and repairing/gluing parts with pieces missing.

2 A range of FLEXIBLE ADHESIVE MASTICS: odourless acetic silicones, PU and MS+

These single-component adhesives polymerise at room temperature thanks to the moisture in the air, which is why the adhesive must be left in the open air before assembly.

Primary applications include:

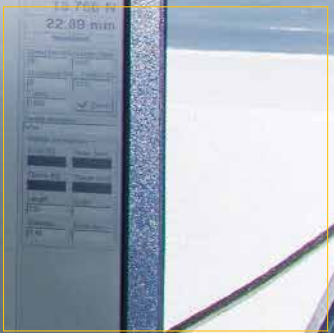
- Flexible gluing and sealing, soundproofing.
- Often recommended for assemblies subjected to vibrations or when the assembled materials have different expansion coefficients.



2

ASSEMBLE

BOND
SEAL
FIX
REPAIR



WE HELP YOU CHOOSE:

Thank you for choosing ORAPI adhesives; the table below will help you select the adhesive best suited to your application.

This choice does not take into account the usage conditions, temperature and other criteria which must be submitted to our technicians who are there to help you all year round.

STRUCTURAL BONDING PRODUCTS

WOOD	400 125 352									
STEEL	373 390	310 373 390								
COPPER	373 125	355 310	202 310							
GLASS	373 390	390	355 123	125 100 355						
PVC	355	355 123	355	125	355					
RUBBER (NITRILE)	355	355 123	123	125	355	355				
PLASTIC*	355 123	125 390	125 390	125	355	355	123 355			
ALUMINIUM	123	123 125 390	202 123	123 355	123	202 390	123 355	390 125		
STAINLESS STEEL	390 125	390	390	390	373	390	123	123	390	
PAPER CARDBOARD	400 spray can	400 aerosol	•	400 aerosol	400 aerosol	400 aerosol	400 aerosol	400 aerosol	400 aerosol	400 aerosol
	WOOD	STEEL	COPPER	GLASS	PVC	RUBBER (NITRILE)	PLASTIC*	ALUMINIUM	STAINLESS STEEL	PAPER CARDBOARD



*Except PE, PP and silicone

STRUCTURAL ADHESIVES

COLLE PU

123

QUICK-SETTING PU ADHESIVE

Ideal for the assembling of plastics, polyesters with each other or on metallic surfaces. Gluing of composites, aluminium, honeycombs, bumpers, metal and plastic structures etc.

■ **black**
Mixture ratio: **1/1**
Temperature:
-40 to 100°C

1123E3 50 ml syringe



OREPOX 30

201

30 MIN SETTING EPOXY

Repair and rigid adhesion of most materials: ceramic, wood, cement, metal etc. Sticking of pieces with poor calibration with important or variable gap. Setting time allows user to set up the pieces.

■ **yellow**
Mixture ratio: **1/1**
Temperature:
-40 to +100°C
Shelf life of mixture: **> 45 min**
Shearing strength:
15 MPa



1201E3 50 ml syringe

OREPOX 5

202

FAST-ACTING EPOXY, SETS IN 5 MIN

Epoxy resin with quick setting. Repair and rigid adhesion of most materials: ceramic, wood, cement, metal etc. Rapid gluing of poorly aligned or unaligned parts with large or variable gaps.

■ **colourless**
Mixture ratio: **1/1**
Temperature:
-40 to +100°C
Shelf life of mixture:
4 to 5 min
Shearing strength:
15 MPa

1202E1 28 g syringe

1202E3 50 ml syringe

1202K7 1 kg kit

ASSEMBLE

ADHERLOCK 73

390

REACTIVE CONTACT ADHESIVE

Non-mix dual-component acrylic adhesive. Bonding of all metals with exceptional performance. Also glues wood, glass, ceramics, plastic etc. Easy to handle, rapid and very effective.

■ **Pale yellow**
Temperature:
-60 to +150°C
Setting time:
5 min

1390K1 80 g kit (70+10)

1390K4 1.1 kg kit (1+0.1)

1390K5 5.25 kg kit (5+0.25)

ACTIVATEUR A

395

ACTIVATOR FOR ADHESIVE 390

Activator A for adhesive 390 Although this product is included with adhesive 390, it is also available separately so that customers who may have used too much activator, for instance on porous surfaces, can restock.

■ **Pale yellow**

1395F5 250 ml bottle



ORALOC HDI

391

HIGH-PERFORMANCE CONTACT ADHESIVE

Acrylic bi-component with quick setting. Wood, metal, ceramics, plastic etc. Excellent resistance to shocks and vibrations. Facilitates the gluing of badly damaged parts. Remains very stable over time.

■ **dark brown**
Temperature:
-40°C to +120°C
Setting time:
10 min

1391E3 50 ml syringe

1391K3 600 ml kit (2*300)

1391KB 10 kg kit (2*5)

REPAIR EPOXY

ORAMETAL A

EPOXY PASTE CONTAINING STEEL

Epoxy resin for gluing, repairing, refilling and filling in. For repairing pipes, crankcases, metal panels, motors etc. After polymerisation, ORAMETAL A can be filed, pierced, tapped and painted. Does no rust.

210
 ■ dark grey
 Proportion: **1/1 syringe 10/1 kit**
 Temperature: **-35°C to 120°C**
 Shelf life of mixture: **1hr** for 500 g
< 10 min for 28 g
 Machinable: **16 hrs**



- 1210E1** 28 g syringe
- 1210K2** 500 g kit

ORAMETAL B

FLUID EPOXY CONTAINING STEEL

Liquid epoxy used for the construction of moulds and templates, filling of micro-pores, general repairs and, more specifically, crack repairs.

211
 ■ dark grey
 Proportion: **100/7**
 Temperature: **-35°C to 120°C**
 Shelf life of mixture: **1hr**
 Machinable: **16 hrs**

- 1211K2** 500 g kit

ORAMETAL F

EPOXY PASTE CONTAINING ALUMINIUM

To be applied like putty for defects and cracks reparation on moulded or machined alloy pieces. Aluminium charge is light and corrosion resistant. After polishing, the surface has a shade very similar to aluminium colour.

212
 ■ aluminium
 Proportion: **1/1 syringe 5/1 kit**
 Temperature: **-35°C to 120°C**
 Shelf life of mixture: **1hr**

- 1212E1** 28 g syringe
- 1212K2** 540 g kit



ORAMETAL POCKET

PRE-MEASURED LOADED MASTIC STEEL

Repair of all supports (wood and metal). Pre-measured, it is very easy to use and avoids any waste. Repairs moulds, leaky pipes, broken tools, etc. Does not rust and can be used under water. Can be pierced, threaded, and painted after polymerisation.

221
 ■ dark grey after mixing
 Temperature: **-50°C to +120°C**
 Shelf life of mixture: **approx. 4 min**
 Machinable: **30 min to 1hr**
 Max. resistance: **in 24 hrs**

- 1221D3** 57 g stick
- 1221D1** 115 g stick



DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT

ACETIC SILICONES

LUBRISEAL RTV ACETIQUE

100

TRANSPARENT ADHESIVE MASTIC

Flexible bonding and sealing. Metal, glass and ceramic parts, expansion joints, wire insulation, etc. Soundproofing, insulation and mechanical applications.



transparent
Temperature:
-65°C to +250°C
Film formation:
10 min
Complete drying:
24 hrs
Shore A hardness:
25 - 33
PMUC: **17-108**

1100C3 310 ml cartridge

6100T3 PMUC 100 g tube

6100C3 PMUC 310 ml cartridge

LUBRISEAL RTV ACETIQUE

101

WHITE ADHESIVE MASTIC

Flexible bonding and sealing. Metal parts, glass, ceramic, expansion joints, wire coating etc. Insulation of electrical wires and appliances. Soundproofing, insulation and mechanical applications.

white
Temperature:
-65°C to +250°C
Film formation:
10 min
Complete drying:
24 hrs
Shore A hardness:
15-25

1101T3 100 g tube

1101C3 310 ml cartridge

JOINT BLEU AUTO

102

UNIVERSAL BLUE ADHESIVE MASTIC

Replaces cut gaskets on housings, manifolds, doors, covers, etc. even damaged. Adheres to all materials. Resistant to oil, gas, antifreeze, etc. Does not drip. Ideal product for mechanics and industrial maintenance services.

blue
Temperature:
-65°C to +250°C
Film formation:
10 min
Complete drying:
24 hrs
Shore A hardness:
15-25

1102T3 100 g tube

1102C3 310 ml cartridge

LUBRISEAL RTV ACETIQUE

103

HIGH-TEMPERATURE ADHESIVE MASTIC

Flexible bonding and sealing product for use in maintenance, flues and chimneys, glass works (heating appliances, domestic appliances, industrial furnaces). Remains flexible and stable up to +310°C. Does not drip.

Red
Temperature:
-65°C to +310°C
Film formation:
10 min
Complete drying:
24 hrs
Shore A hardness:
35-45

1103T3 100 g tube

1103C3 310 ml cartridge

LUBRISEAL RTV ACETIQUE

104

BLACK MULTI-PURPOSE ADHESIVE MASTIC

To be used without gun. Black adhesive mastic for sealing crankcases, manifolds, doors, covers etc. Easy to use thanks to its pressurised canister. Light pressure on the nozzle provides a steady stream of sealant.

black
Temperature:
-60 to +240°C
Film formation:
10 min
Complete drying:
24 hrs
Shore A hardness:
15-25

1104A7 200 ml pressurised canister



JOINT METAL

145

GREY ADHESIVE MASTIC, SPECIFICALLY DESIGNED FOR USE IN THE PRESENCE OF OIL

Flexible sealant resistant to oils. Replaces pre-cut seals on crankcases, manifolds, doors, covers etc. for water, oil and solvent proofing. High mechanical resistance to corrosive fluids. Does not run, can be used also on crankcases with planarity defects.

Grey
Temperature:
-65°C to +250°C
Film formation:
10 min
Complete drying:
24 hrs
Shore A hardness:
20-30

1145T3 100 g tube

PRIMAIRE 4004

020

SPECIAL ADHESIVE MASTIC

Improves bonding adhesion and increases bonding reliability. Suitable for adhesive mastics on surfaces with low surface energy: concrete, steel, wood etc. Easy to use: apply the adhesive onto the dry primer.

colourless to pale yellow liquid

1020F6 500 ml bottle

ODOURLESS SILICONES

LUBRISEAL RTV INODORE

TRANSPARENT BONDING AND SEALING

Adhesive and sealant for metal parts, glass, ceramics, dilation seals, cables coating, cables and electrical device insulation. Soundproofing, insulation.

110

transparent
 Temperature: **-50°C to +150°C**
 Film formation: **15 to 20 min**
 Complete drying: **24 hrs**
 Shore A hardness: **15-25**

1110C3 310 ml cartridge

LUBRISEAL RTV INODORE

WHITE SEALING AND BONDING PRODUCT

Flexible self-adhesive product usable on all surfaces: wood, aluminium, glass etc. Does not corrode metal surfaces. Excellent resistance to moisture and oil. Sealing of sanitary facilities.

111

white
 Temperature: **-50°C to +150°C**
 Film formation: **15 to 20 min**
 Complete drying: **24 hrs**
 Shore A hardness: **15-25**

1111C3 310 ml cartridge

LUBRISEAL RTV INODORE

BLACK SEALING AND BONDING PRODUCT

Flexible self-adhesive product usable on all surfaces: wood, aluminium, glass, cement, PVC, ABS etc. Does not corrode metal surfaces. Excellent resistance to moisture and oil. Advised for automotive industry. Does not drip.

112

black
 Temperature: **-50°C to +150°C**
 Film formation: **15 to 20 min**
 Complete drying: **24 hrs**
 Shore A hardness: **15-25**

1112C3 310 ml cartridge
111202 25 kg drum



OTHER ELASTOMERS

SEAL PU

MULTI-MATERIALS

Single-component polyurethane elastomer adhesive for general use. Polymerises at room temperature. Used for the bonding (and sealing) a wide range of materials including wood, glass, plastic, cement etc. It is particularly well suited to applications where good seal flexibility is required. Can be painted over Odourless. Does not drip.

120

Grey
 Temperature: **-20°C to +80°C**
 Shore A hardness: **35-45**

1120C3 310 ml cartridge

ORABOND BLANC

VERY HIGH PERFORMANCE PRODUCT

Bonds, assembles and seals everything. New-generation elastic putty sealant. Excellent adhesion to stainless steel, aluminium, wood, zinc, lacquer, stone, glass wool, chipboard, etc. Can be applied onto humid surfaces and surfaces completely immersed under water. Can be painted. Odourless. Does not drip. Ideal for replacing stainless steel/stainless steel welds. Very high tackiness.

125

white
 Temperature: **-40 to +150°C**
 Shore A hardness: **45-60**
 Consumption: **1 cartridge = 1.5m² or 15m**

1125C6 290 ml cartridge

ORABOND NOIR

HIGH-PERFORMANCE

Bonds, assembles and seals everything. New-generation elastic adhesive mastic. Excellent adhesion to stainless steel, aluminium, wood, zinc, lacquer, stone, glass wool, chipboard, etc. Can be applied onto wet and fully immersed surfaces. Can be painted over Odourless. Does not drip. Ideal for sealing/bonding the plastic cases of industrial remote controls.

126

black
 Temperature: **-40 to +100°C**
 Shore A hardness: **40-60**

1126C6 290 ml cartridge

ORABOND CRISTAL

PERFECT TRANSPARENCY

Bonds, assembles and seals everything. New-generation elastic putty sealant. Excellent adhesion to stainless steel, aluminium, wood, zinc, lacquer, stone, glass, PMMA etc. Can be applied onto wet and fully immersed surfaces. Can be painted over Odourless. Does not drip. Ideal for bonding transparent glass and plastic.

128

transparent
 Temperature: **-40 to +100°C**
 Shore A hardness: **30-40**

1128C6 290 ml cartridge

DE-SEIZE

CLEAN

LUBRICATE



ASSEMBLE

PROTECT

SEALFLON LIQUIDE

LIQUID TEFLON® TAPE

Aqueous fluid containing PTFE. Seals threads and flat gaskets. Let it dry before mounting (can be stoved). After drying, leaves a flexible film allowing an easy dismantling and to be mounted again later. Prevents excess thickness. Protect threads against seizing.

341

■ **white**
Temperature: **-50°C to +250°C**
Gap: **0.15mm max**
VOC content: **0%**

- 1341B4** 250 ml tin with brush
- 1341S1** 5 l bucket

SEALFLON PÂTEUX

PTFE PASTE TAPE

Aqueous paste sealing compound containing PTFE, that creates a flexible seal easy to dismantle. Resists vibrations and chemicals. Seals threads and flat gaskets. Prevents excess thickness. Instantly seals PVC pipes. Let it dry before mounting.

340

■ **white**
Temperature: **-50°C to +250°C**
Gap: **0.3mm max**
VOC content: **0%**

- 1340T3** 100 g tube
- 1340O2** 20 kg drum



JOINTPLAST

PLASTIC THREAD SEALANT

Seals threaded plastic-to-plastic and mixed material (plastic/metal) fittings. Compatible with gas, cold and hot water. Forms low pressure seals on contact and seals capable of withstanding 10 bar after 24h. Easy dismantling. Allows crankcases, electric boxes, etc. to be filled so that components can be insulated and secured.

133

■ **red**
self-levelling viscous liquid
Temperature: **-50°C to +250°C**
Maximum gap recommended: **0.4 mm**

- 1133T3** 100 g tube

ORAPLAST'X

FLEXIBLE, ELASTIC PASTE

Temperature and pressure resistant Insoluble in most liquids. Retains its plasticity. Sealing and bonding of crankcases, close mating surfaces, valves, carburetors, flanges, valve covers, clutches, fittings, pipes, heating, pumps, compressors etc. Ideal for the automotive industry, petrol stations, refineries and the chemical and petrochemical industries.

348

■ **orange**
Temperature: **-20°C to +250°C**


- 1348T4** 200 g tube
- 1348C3** 310 ml cartridge
- 1348B7** 1 kg tin

NUCSEAL N

NON HARDENING, HALOGEN-FREE

For sealing close mating surfaces and threaded fittings subject to severe vibrations. Replaces or bonds paper gaskets and other pre-cut gaskets. Helps create leak-proof seals of any shape, including complex ones. Instantly forms a low pressure seal.

346


■ **blue**
viscous liquid
Temperature: **-50°C to +300°C**
Cl - F - S - Br: **< 200ppm**
PMUC: **17-109**


- 6346T3** 100 g tube

OXYSEAL

WITHSTANDS OXYGEN AND EXTREME TEMPERATURES

Seals flanges, threads and close mating surfaces and withstands pressures of up to 200 bar and contact with oxygen. Compatible with liquid gas oxygen. Dries slowly.

051


■ **light grey**
Temperature: **-250 to +600°C**
Full pressure resistance: **24 hrs**

- 1051T3** 100 ml tube.

ORASEAL

NON-HARDENING THREAD SEALANT

For sealing close mating surfaces and threaded fittings subject to severe vibrations. Replaces or bonds paper gaskets and other pre-cut gaskets. Helps create leak-proof seals of any shape, including complex ones. Instantly forms a low pressure seal.

342

■ **green**
viscous liquid
Temperature: **-50°C to +300°C**


- 1342T3** 100 g tube
- 1342B4** 250 ml tin with brush
- 1342B7** 1 kg tin

ORASEAL +

NON-HARDENING PASTE

For sealing vertical mating surfaces. Substitute paper gaskets or make them stick. Helps create leak-proof seals of any shape. Instantly forms a low pressure seal. Allows to use the seal again after dismantling. At room temperature, can be used as a thread locking agent, ideal for use on adjustment screws in mechanical devices and musical instruments.

343


■ **green**
Paste
Temperature: **-50°C to +300°C**

- 1343T3** 100 g tube
- 1343C3** 310 ml cartridge

SPECIAL BONDING

THERMIQUE

HIGH-TEMPERATURE PUTTY GLUE

Silicone-free putty glue. Jointing, bonding and sealing, specifically formulated to withstand very high temperatures. Asbestos-free. Hardens completely, to the very centre. Do not use in contact with water. For cracks or holes filling-in, over metal, stones or concrete... Stoves, boilers, furnaces, open fireplaces, probes, car exhaust pipe fittings.

418



■ **black thick paste**
 Temperature: **-40°C to 1,200°C**
 Thickness: **5 to 15 mm**
 Shore A hardness: **70 to 90**
 PMUC: **16-137**

1418C3 310 ml cartridge

COLLE REPOSITIONNABLE

POST-IT TYPE GLUE IN AEROSOL.

Immediate adhesion. Posters or labels can be repositioned easily up to several weeks after gluing. For gluing light materials: photos, films, cork, foam board, decorations.

477

■ **beige**
 Setting time: **immediate**
 Consumption: **1 aerosol = 7m²**

4477A4 650 ml aerosol

NEOPRENE

MULTI-PURPOSE CONTACT ADHESIVE

Instant setting on rubber, leather, fabric, cork, metals, laminates. Flexible, high efficiency. Very high resistance to pull out, excellent resistance to moisture. Applied to both surfaces (150 ml/m² per side).

400

■ **beige**
 Setting time: **5 to 15 min**
 Max temperature: **+90°C**
 Resistance to peeling: **15 kg/cm²**

4400A4 650 ml aerosol

1400T3 100 ml tube.

1400B7 1 l tin

1400S1 5 l bucket



COLLE PVC PRO

ADHESIVE FOR PVC FITTINGS AND PIPES

Seals pipes carrying hot and cold water, wastewater, industrial water etc. Excellent stability over time. Extremely fast PVC-to-PVC welding. Water drainage: rainwater, sanitation water, industrial water, wastewater, hot or cold water, pressurised water etc. Bonding of downpipes, eaves, gutters, watertight cable trays, ducts etc.

415

thick fluid
 Temperature: **+40°C**
 Withstands pressures of: **16 bar max**
 Shearing strength: **> 10 kg/cm²**
 Consumption for 1 tin:
Ø 32: 162 fittings
Ø 50: 40 fittings

1415B3 250 ml tin with brush

MOUSSE PU

INSULATING FIRE-RETARDANT FOAM

80% closed cell expanding foam for thermal and acoustic insulation and caulking. Gas, smoke, flame and water tight. Doors mounting, windows and other articles designed to slow down fire propagation, including in high schools, local authorities and hospitals. Must be applied onto wet surfaces.

474

■ **Grey very sticky foam**
 Temperature: **-60 to +100°C**
 Fire resistance: **120 min**
 Coverage: **20 to 35 litres/ aerosol**

4474A6 1,000 ml aerosol



ADHERENT COURROIES

STOPS DRIVE BELTS FROM SLIPPING

Triples belt adherence for rubber, leather, canvas, or composite. Prevents belts from hardening while eliminating power loss. Treated belts wear more slowly and transmit power more effectively. Helps position pre-cut gaskets onto crankcases. For treating conveyor belts to provide better grip.

953

■ **yellow liquid**
 Max temperature: **+80°C**

4953A4 650 ml aerosol

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT



3

GLUES



In the rapid bonding field, ORAPI has developed solutions suitable for all applications: from ultra fluid and rapid glues to thick gels for porous materials or vertical applications. To respond to our customers' specific requests, we have also developed tinted glues and glues with additives to increase flexibility.

Cyanoacrylates are single-component glues which polymerise at room temperature when the adhesive is in contact with both surfaces.

The moisture in the air neutralises the stabilising agent and triggers the polymerisation process.

These glues should be used when there is no gap between the surfaces.

ADVANTAGES:

- A small drop is all that is required and the glue can be applied with ease.
- Glues practically everything in seconds.
- Excellent shearing and tensile strength.

STORE IN A COOL PLACE

Shelf life: 10 to 12 months in a cool place.

ACTIVATORS/PRIMERS

ACTIVATEUR 6140

SPECIFICALLY FOR GLUES

Decreases setting time significantly for glues and enables polymerisation outside of gluing area. Apply ACTIVATEUR 6140 on one of the surfaces and the glue on the other surface or directly on the glue to activate polymerisation.

025

colourless liquid
Evaporates quickly

4025A1	210 ml aerosol
1025i2	1 l container

PRIMAIRE 3440

SPECIFICALLY FOR GLUES - MULTI-PURPOSE

Improve the adhesion of glues on all difficult to tape materials, except silicone. Apply PRIMAIRE 3440 onto both surfaces and allow it to evaporate (1 to 2 min), then apply the glue.

022

colourless liquid

1022F2	20 g bottle
1022i2	1 l container

PRIMAIRE 3450

SPECIFICALLY FOR GLUING TO SILICONE

Improves adhesion to apolar surfaces, especially silicone O-rings. Apply PRIMAIRE 3450 onto both surfaces to be bonded. Make it evaporate by rubbing both surfaces one against the other. Then apply glue C2040, it is taped instantaneously and with reliability.

021

■ yellow-orange liquid

1021F2	20 ml bottle
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DECOLLEUR 3720

GLUE CLEANING AND REMOVAL

Cleaning solvent for glue applicators and work tables with glue on them. Separation of glued assemblies. Works by soaking. Liquid to be used in a well ventilated area.

408



transparent liquid
Cl - F - S - Br:
< 200ppm
PMUC: 16-054

6408F2 PMUC	20 g bottle
1408i2	1 l container

GLUES

STORE IN A COOL PLACE
Shelf life: 10 to 12 months in a cool place.

C 2000

UNIVERSAL

Very rapid bonding cyanoacrylate glue for all materials. Excellent for gluing wood, leather, fabric, ceramics, plastic, glass, rubber etc. Mechanical devices, electronics, optics, jewellery, watch making, toys, plastics processing, domestic appliances, knick-knacks, tableware. All materials except Teflon, polyethylene and derivatives.

- 1354 F1 5 g bottle
- 1354 F2 20 g bottle

354

colourless

Temperature: **-55°C to +80°C**

Viscosity: **80-120 cP**

Setting time: **5 to 60 seconds**

Shearing strength: **> 25 MPa**

C 3000

MULTI-PURPOSE

Ultra quick-setting glue thanks to a specific and unique catalyst, suitable for all materials. Strong resistance on wood, plastic, leather, PVC, ceramics and metals. Ideal for surfaces that are difficult to glue.

- 1373F1 5 g bottle
- 1373F2 20 g bottle
- 1373F3 50 g bottle
- 1373F6 500 g bottle

373

colourless

Temperature: **-60 to +100°C**

Viscosity: **80-120 cP**

Setting time: **5 to 40 s**

Shearing strength: **27.5 MPa**



SUPER GEL

VERY THICK GEL

Glue as a very thick gel for all usage requiring a viscous products. For vertical or down under sticking or with porous materials. For all materials, does not run.

- 1352C3 300 g cartridge
- 1352T7 20 g tube

352

colourless

Viscosity: **gel**

Setting time: **5 to 60 s**

Shearing strength: **27.5 MPa**



C 2040

ELASTOMERS

Quick-setting adhesive for bonding rubber joints, plastic, glass and O-rings.

- 1355F1 5 g bottle
- 1355F2 20 g bottle
- 1355F3 50 g bottle
- 1355F6 500 g bottle

355



colourless

Temperature: **-50°C to +80°C**

Viscosity: **20-40 cP**

Setting time: **5 to 60 s**

Shearing strength: **27.5 MPa**

C 3610

FLEXIBLE AND UNIVERSAL

Adhesive for universal gluing. Flexible glue. Ideal for construction.

- 1361F2 20 g bottle
- 1361F6 500 g bottle
- 1361O1 20 kg drum

361

colourless

Temperature: **-50°C to +80°C**

Viscosity: **80-120 cP**

Setting time: **10 to 60 s**

Shearing strength: **10 to 15 MPa.**

C 2000/5

VERY FLUID AND ULTRA QUICK

Quickest glue for all materials. Very liquid adhesive for gluing by infiltration and capillarity on very smooth surfaces and small gaps. Ideal for automatic gluing systems with repeating application and high work pace.

- 1359F1 5 g bottle
- 1359F2 20 g bottle

359



colourless

Temperature: **-60 to +100°C**

Viscosity: **3-10 cP**

Setting time: **very quick**

Shearing strength: **27.5 MPa**



DE-SEIZE

CLEAN

LUBRICATE



ASSEMBLE

PROTECT



STORE IN A COOL PLACE

Shelf life: 10 to 12 months in a cool place.

GEL CYANO

THIXOTROPIC GEL

Glue with quick setting for vertical or down under sticking or with porous material like wood. Sticks on most materials: aluminium, ABS, PVC, metals, wood...

351

colourless

Temperature:
-50°C to +80°C

Viscosity:
fluid gel

Setting time:
10 to 60 s

Shearing strength:
10 to 30 MPa

1351F2 20 g bottle

1351F3 50 g bottle

1351F6 500 g bottle

C 2000 CMM

GEL FOR METALS

Sticking of porous metals or for vertical or down under mounting. Adheres to most metals and materials that are difficult to bond with a standard gel.

353

colourless

Temperature:
-50°C to +80°C

Viscosity:
1000 - 2000 cP

Setting time:
10 to 60 s

Shearing strength:
10 to 30 MPa

1353F2 20 g bottle

C 3600

DIFFICULT RUBBER

Ultra quick-setting adhesive for the bonding of PVC, rubber joints etc. Bonding of polyolefins after surface preparation with 022.

356

colourless

Temperature:
-50°C to +80°C

Viscosity:
20 - 40 cP

Setting time:
2 to 30 s

Shearing strength:
26.3 MPa

1356F2 20 g bottle

1356F6 500 g bottle



HALOGEN-FREE

ASSEMBLE



C 5000/14

MULTI-PURPOSE

Fluid glue with ultra rapid setting thanks to a special catalyst. Multi-purpose: glass, plastic, metals, wood etc. Chlorine-free, sulphur-free, fluorine-free, bromine-free.

385



colourless

Temperature:
-50°C to +80°C

Viscosity:
8-120 cP

Setting time:
5 to 40 s

Shearing strength:
27.5 MPa

PMUC: **16-053**

6385F1 5 g bottle

6385F2 20 g bottle

C 5040

ELASTOMERS AND PLASTICS

Quick-setting chlorine-free, sulphur-free, fluorine-free and bromine-free adhesive for bonding rubber joints, plastic, glass and O-rings. Good resistance to humidity. Bonding of silicone joints after surface preparation with 021.

386



colourless

Temperature:
-50°C to +80°C

Viscosity:
20 - 40 cP

Shearing strength:
> 25 MPa

PMUC: **16-052**

6386F1 5 g bottle

6386F2 20 g bottle

C 5000 CM

MULTI-PURPOSE GEL

Quick-setting chlorine-free, sulphur-free, fluorine-free, bromine-free gel for the vertical or inverted bonding of porous materials such as wood. Sticks on most materials: aluminium, ABS, PVC, metals, wood...

384



colourless

Temperature:
-50°C to +80°C

Viscosity:
1000 - 2000 cP

Setting time:
20 to 90 s

Shearing strength:
10 to 30 MPa

PMUC: **16-047**

6384F1 5 g bottle

6384F2 20 g bottle

COLOURED GLUES

**STORE IN A COOL PLACE**

Shelf life: 10 to 12 months in a cool place.

BLANCHE S**WHITE, UNIVERSAL**

White and universal adhesive with quick setting and strong mechanical resistance. Flexible bonding of materials subject to shocks and vibrations. Ideal for mounting and repairing of white materials and to localise glued pieces thanks to the colour. Used in the cosmetic and skiing industries.

377■ **white**Temperature:
-50°C to +80°CViscosity:
800-1500 cPSetting time:
10 to 60 sShearing strength:
15 to 30 MPa**1377F2** 20 g bottle**C 3000 DF****BLACK, UNIVERSAL**

Black and universal adhesive with quick setting and strong mechanical resistance. Flexible bonding of materials subject to shocks and vibrations. Ideal for the bonding and repair of black materials and for locating bonded parts thanks to its colour.

378■ **black**Temperature:
-50°C to +80°CViscosity:
200-250 cPSetting time:
10 to 140 sShearing strength:
15 to 30 MPa**1378F2** 20 g bottle**1378F6** 500 g bottle**C 3000 AF****BLACK GEL, SHOCK RESISTANT**

Quick setting adhesive for vertical or down under gluing, porous materials, when assembly is exposed to shocks, flexible mounting. Its black colour makes it easy to see.

371■ **black**Temperature:
-50°C to +80°CViscosity:
1000 - 2000 cPSetting time:
20 to 60 sShearing strength:
15 to 30 MPa**1371F2** 20 g bottle**1371F6** 500 g bottle**C 3000 HU****FLUID, BLACK AND FLEXIBLE**

Universal adhesive with quick setting. For bonding surfaces that are subject to shocks and vibrations. Designed for bonding and repairing black materials. High-strength bonding, ideal for the automotive industry for seals, hoses etc.

363■ **black**Temperature:
-50°C to +80°CViscosity:
20-40 cPsSetting time:
5 to 30 sShearing strength:
15 to 30 MPa**1363F2** 20 g bottle**1363F6** 500 g bottle

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE

PROTECT

204



205

FOR AN ESTIMATE, ADVICE OR SPECIFIC REQUEST

TEL: +33 (0)4 74 40 20 25
FAX: +33 (0)4 74 40 20 26
CONTACT@ORAPI.COM



THOROUGH PROTECTION

Your work, your tools, your machines and your personnel are valuable; this is why ORAPI constantly endeavours to improve its products to provide protection against corrosion, scratches, splattering and accidents.

OUR PROTECTION RANGE COVERS

5 DOMAINS

1

ANTI-CORROSIVE PAINT

All our paints have been designed to provide the best possible coverage, optimised safety and include carefully selected fillers so as to guarantee the highest salt spray resistance on the market.



2

PROTECTION AGAINST LEAKS AND CRACKS

As all gas leaks can be dangerous and costly, we offer products designed to detect leaks and cracks.

3

WELDING PROTECTION

This range helps protect metals against weldingspatter. Always conscious of environmental and user safety issues, we offer aqueous and biodegradable products.



PROTECT

STORAGE
WELDING
SAFETY

PROTECT

Aérosol 650 ml

Butane

F+R12
EXTREMEMENT INFLAMMABLE



33% GAZ
67% PRODUIT ACTIF

CO₂

F+R12 EXTREMEMENT INFLAMMABLE
OU F+R10 INFLAMMABLE



3% GAZ ET 97% PRODUIT ACTIF

DANGER GAZ EXPLOSIF

PRIX ÉCONOMIQUE AÉROSOL = BOMBE

gaz explosif

produit actif non inflammable

CO₂

produit actif inflammable

QUANTITÉ ÉCONOMIQUE

PLUS DE PRODUIT

PLUS DE SÉCURITÉ

SÉCURITÉ PLUS DE PRODUIT

CO₂

produit actif non inflammable

4

Your staff are valuable; let's make their working environment as safe as possible:

anti-slip, anti-fall products, anti-puncture products etc. including marking paints, various kinds of absorbent products, insecticides, de-icing products, hole and pothole repair products etc.

PROTECTION OF INDIVIDUALS

5

Machined parts and other valuable components need to be protected during storage and transport.

This is why we have developed oily, waxy and dry protective varnishes that come in peelable and non-peelable, coloured or colourless versions so that each of our customers can find the right solution for their components and requirements - with or without initial parts cleaning.

STORAGE PROTECTION

CORROSION INHIBITING PAINT

NZA B

GLOSS GALVANISATION

Exceptional, long-lasting protection against corrosion (up to 3 years) for all metal parts. Coating with high zinc content giving a gloss finish. Can be used as a finish under-layer. Efficient, even in corrosive and marine conditions.

4706A4	650 ml aerosol
2706B7	1 kg tin
2706S1	5 kg tub
2706U2	200 kg drum

706

■ **grey gloss finish**
Temperature: **-50°C to +200°C**
Salt spray: **> 400 hrs for a 20µm coating**
Spray coating: **5 µm**

NZA MAT

MATT GALVANISATION

Hard-wearing treatment and long-lasting protection against corrosion (up to 5 years) for all metal parts. Retouching of galvanised parts even under extreme weather conditions. Can be used as a primer for the final coat. Highly effective even in corrosive or marine environments.

4650A`	650 ml aerosol
2650B7	1 kg tin



650

■ **matt grey finish**
Temperature: **-50°C to +200°C max**
Salt spray: **> 500 hrs**

GALVA EXPRESS

SPECIFICALLY FOR RETOUCHING

Hard-wearing treatment and long-lasting protection against corrosion (up to 3 years) for all metal parts: slideways, gates, re-welds, pipes, boiler-making, wire netting and tanks. Retouching of galvanised parts. Retouching of parts after hot galvanising. Can be used as a primer for the final coat.

4699A4	650 ml aerosol
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699

■ **Grey**
Temperature: **-50°C to +200°C**
Salt spray: **> 250 hrs**

NZA MARINE

LONG-TERM PROTECTION

Hard-wearing treatment and exceptional long-lasting protection against corrosion (up to 10 years) for all metal parts. Retouching of galvanised parts even under extreme weather conditions. Protects against chemical attacks and mechanical wear. Can be used as a primer for the final coat and provides maximum cathodic protection. High performance even in corrosive and marine environments.

4653A4	650 ml aerosol
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653

■ **matt grey**
Salt spray: **> 800 hrs**
Temperature: **-50°C to +200°C**

CODEROUIL

ANTI-RUST LACQUER

Glossy, ultra-quick drying, rust inhibiting lacquer. Highly resistant when used outdoors. Excellent adhesion to a wide range of surfaces. Provides excellent coverage. Easy to apply. Using CODEROUIL allows you to paint directly onto rusty metal. Nevertheless, for best results, we recommend that you apply the product onto an undamaged surface. Can be used on all surfaces subject to oxidation: metal frames, tanks, pipes, vehicles, machine tools, doors and gates, etc. Ideal for industrial applications, DIY, the automotive industry, plumbing etc.

300001	■ white	RAL 9010	520 ml aerosol
300025	■ black	RAL 9017	520 ml aerosol
300002	■ white	RAL 9010	1 kg tin
300005	■ red	RAL 3020	1 kg tin
300008	■ yellow	RAL 1004	1 kg tin (gas)
300017	■ blue	RAL 5017	1 kg tin
300023	■ grey	RAL 7042	1 kg tin
300026	■ black	RAL 9017	1 kg tin
300029	■ blue	RAL 5012	1 kg tin (air)
300076	■ green	RAL 6005	1 kg tin
300087	■ Light grey	RAL 7035	1 kg tin

3000 XX

Aerosol:
Dust free: **5 mins**
Complete drying: **15 mins**

Bulk:
Dust free: **1hr min**
Complete drying: **8 hrs min**
Resistance at temperature: **100°C max.**

NOIR PAINT

HIGH TEMPERATURE

Matt black paint for retouching and protecting all metal parts exposed to high temperatures. Protects against corrosion. Ironwork, exhaust pipes, chimneys, barbecue housings.

4710A4	650 ml aerosol
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710

■ **matt black**
Temperature: **-30 to +600°C**

ORALU

HIGH TEMPERATURE

Glossy aluminium paint for retouching and protecting all metal parts which may be subjected to high temperatures. Protects against corrosion. Ironwork, exhaust pipes, chimneys, barbecue housings.

4712A4	650 ml aerosol
2712S1	5 l bucket

712

■ **Grey**
Temperature: **-30 to +600°C**

TRACING - MARKING

FAST LINE

LINE MARKING

High resistance to abrasion, even with frequent and aggressive traffic such as forklifts. Contains no lead and no chlorine. Excellent coverage, for marking traffic and safety lines. Compatible with all surfaces: tarmac, bitumen, cement, paint, wood, grass etc. Industry, local authorities, town council technical departments, sports facilities, schools etc.

901 / 909

901 ■ yellow
RAL 1023
909 ■ white
AL 9010

Coverage:
80m/ aerosol



8901A4	650 ml aerosol
8909A4	650 ml aerosol

SPECTRA COLOR

METAL TRACING AND MARKING

Coloured tracing, identification and coding liquid. For marking and identifying different equipment located in the same workshop. Tracing of drilling or cutting dimensions without marking or damaging the metal by directly marking the negative image onto the SPECTRA COLOUR with a scribe. Available in translucent or matt versions to suit the type of surface. Withstands mineral oils, water and numerous solvents. Approved by many car producers. Cleans off with ORASOLV A 568.

97X



Quick drying

N°	Colour	
970	■ translucent blue	2970i2 1 l container
971	■ opaque white	2971i2 1 l container
972	■ opaque yellow	2972i2 1 l container
973	■ translucent red	2973J1 5 l jerry can

GAMME MV

IDENTIFICATION - MARKING - CODING

Marking and identification varnish for validating the warranty. This varnish is used to provide assembly and installation security. Opening the device breaks the seal and provides a quick, visual indication that the device has been tampered with. Can be applied to screws, clips, fastenings and miscellaneous components. Renders screws, bolts and rivets tamper-proof.

01X

Temperature:
-40 to +200°C
Dust free: 1 min

N°	Colour	1 l tin	90 ml bottle.	90 ml tube.
010	■ red	1010B7	1010FB	1010T8
011	■ green	-	-	1011T8
012	□ translucent	-	1012FB	-
013	■ blue	-	-	1013T8
014	■ black	-	1014 FB	-

MARKER

WRITES ON ALL SURFACES

For marking and identifying materials in the workplace. Can be used on smooth and rough surfaces. Impermeable and rain-proof, does not clog, does not dry out, always ready to use. Compatible with all materials: paper, cardboard, glass, stone, ceramic, wood, all metals, plastic, rubber, tyres etc.

054

Dries quickly.
Line width: 3 mm
Halogen-free

1054ST	■ White pen
1054STR	■ Red pen
1054STB	■ Blue pen
1054STJ	■ Yellow pen
1054STN	■ Black pen



BLEU DE PRUSSE

PLANARITY DEFECT

Blue indicator for checking connectors and fittings on flat surfaces. Reveals high and low points on abutment surfaces which can then be machined to make the final adjustments. Cleans off with ORASOLV B30 - 564.

975



■ blue
VOC content 0%
Non-flammable

1975T3	100 ml tube.
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ROUGE DE CHINE

PLANAR DEFECTS

Red indicator for checking fittings and sleeves on flat surfaces. Reveals high and low points on abutment surfaces which can then be machined to make the final adjustments. Cleans off with ORASOLV B30 - 564.

977



■ Red
VOC content 0%
Non-flammable

1977T3	100 ml tube.
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DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE



PROTECT

CORROSION PROTECTION

PROTOR 842

PROVIDES PROTECTION BETWEEN MACHINING OPERATIONS

Fluid, slightly waxy product for protecting stored equipment, injection moulds, etc. against corrosion. De-watering effect. Leaves a very thin protective film compatible with most subsequent operations without cleaning: machining, lubrication etc.

842



■ **yellow**
Salt spray:
> 70 hrs

4842A4	650 ml aerosol
284201	20 l drum

PROTOR SG 100

MEDIUM-TERM PROTECTION

Corrosion inhibitor providing protection between machining operations. Leaves a strong, waxy film. Coloured version for improved visibility of protected areas. Apply by spraying, painting or soaking. Handling treated parts does not leave the hands greasy.

804

■ **Red**
Salt spray:
> 100 hrs

4804A4	650 ml aerosol
2804J1	5 l metal container
2804U2	200 l drum

PROTOR SG 100 INCOLORE

MEDIUM-TERM PROTECTION

Corrosion protection product leaving a strong, waxy film. Colourless version so that metals can retain their original appearance. Apply by spraying, painting or soaking. Handling treated parts does not leave the hands greasy.

791

■ **colourless**
Salt spray:
> 100 hrs

2791J1	5 l jerry can
2791U2	200 l drum

PROTOR MARINE

VERY LONG-LASTING PROTECTION

Very long-lasting protection, extreme weather and humidity conditions. Fluid that leaves a waxy thick film after drying. Indoor or outdoor protection in corrosive and marine atmosphere. Sea transport, machines in storage, metallic bar storage. Apply by spraying, painting or soaking.

727

■ **brown**
Salt spray:
> 150 hrs

2727J1	5 l jerry can
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PROTECT



PROTOR BITUM

LONG-TERM SEALING/PROTECTION

Anti-corrosion and sealing product providing a dry and flexible film for long-lasting protection. PROTOR BITUM is primarily designed for outdoor protection purposes: bridges, roofs, pylons, metal frameworks, tanks, construction or agricultural vehicle chassis, military equipment, port materials, railway tracks etc. The product can also be used for waterproofing and protecting concrete or cement surfaces.

7272



■ **black**
liquid
Coverage:
8m²/litre
Dust free/dry:
2 hrs/12 hrs
Salt spray:
> 500 hrs

47272A4	650/300 ml aerosol
27272S1	5 l bucket

PEELABLE PRODUCTS

PROTOR AQUA

PEELABLE AQUEOUS PROTECTION

Water-based protective varnish. The colour makes it easier to check treated areas. Forms a thick film which can be easily peeled off in one piece. Protects parts against scratches and corrosion, and painting booths and floors against splattering of various types. Protection of cutting tools.

2969i2	1 kg container
2969J1	5 kg jerry can
2969O2	27 kg drum

969

■ white
odourless
VOC content 0%
Flash point:
non-flammable

AQUAPEEL TS

PEELABLE AQUEOUS PROTECTION

Water-based, non-flammable, VOC-free protective varnish. The colour makes it easier to check treated areas. Forms a thick film which can be easily peeled off in one piece. Protects parts against scratches and corrosion, and painting booths and floors against splattering of various types. Protection of cutting tools.

D4608	25 l drum
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4608

colourless
odourless
VOC content 0%
Flash point:
non-flammable

PROTOR PL ROUGE

PEELABLE PROTECTION

Coloured, peelable protective varnish The colour makes it easier to check treated areas. Dries quickly. Can be easily peeled off in one piece. Protects metal sheets, polished parts, rolling mill cylinders etc. against scratches and corrosion. Protects painting booths and floors against splattering of various types and sharp tools.

2967i2	1 kg container
2967O1	20 kg drum

967

■ Red

PROTOR PL INCOLORE

PEELABLE PROTECTION

Colourless, peelable protective varnish Dries quickly and can be easily peeled off in piece. Protects against scratches and corrosion: metal sheets, polished parts, rolling mill cylinders... while keeping a perfect vision of pieces. Protection of painting booths and floors against various contaminations.

2968i2	1 kg container
2968J1	5 kg jerry can

968

colourless

VARNISHES

SR 05

COLOURED PROTECTIVE VARNISH

Very long-lasting protective varnish, for indoor and outdoor use. Dries rapidly and creates a dry, protective film. Does not retain dust. To be applied on clean metallic or plastic parts. Protects against corrosion and scratches. To be removed easily with ORAPI 507 - NDI.

4714A4	650 ml aerosol
2714J1	5 l jerry can

714

■ red
RAL 3032
Salt spray:
> 250 hrs



VERTRO

TROPICALISATION VARNISH.

Colourless, very long-lasting protective varnish for indoor/outdoor use. Can be used as a humidity insulator and is resistant to harsh environments, hydrocarbons, humidity, salt spray, scratches etc. Protects metal parts, wood, plastic, documents, printed circuit boards etc. Dries rapidly and creates a dry, protective film. Does not attract dust.

4715A4	650 ml aerosol
2715J1	5 l jerry can

715

colourless
Temperature:
-40 to +140°C
Dielectric
constant: 100 kW

BLOC'ROUILLE

STOPS RUST

Powerful rust passivator. Combines with metal to a form protective layer. strong black compound that adheres to metal. Stops rust from returning for several years; treated parts can be left out in inclement weather. Can be painted on without prior cleaning.

2954R3	500 ml bottle.
2954J1	5 kg jerry can
2954U2	200 kg drum

954

■ white and
■ black after
drying and
complexation

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE



PROTECT

ANTIPERL ECO

808

WATER-BASED ANTI-WELD SPATTER

Silicone-free and solvent-free anti-welding spatter product. Non-toxic. Water emulsion of non-stick agents, to be used for the protection of assemblies and tools in welding operations. Removed with water.

- **milky white**
- Viscosity: **1 to 3 cPs**
- Flash point: **Non-flammable**
- VOC content 0%



4808A4	650 ml aerosol
3808J1	5 l jerry can
3808O1	20 l drum
3808O5	60 l drum
3808U2	200 l drum

ANTIPERL ECO PMUC

808

ANTI-WELDING SPATTER, HALOGEN-FREE

Silicone-free and solvent-free anti-welding spatter product. Non-toxic. Water emulsion of non-stick agents, to be used for the protection of assemblies and tools in welding operations. Removed with water.



- **milky white.**
- Viscosity: **1 to 3 cPs**
- Flash point: **non-flammable**
- VOC content 0%
- Cl - F - S - Br: **< 200ppm**
- PMUC: **22-061**

6808A4	650 ml aerosol
6808J1	5 l jerry can

ANTIPERL SOUDURE

807

SOLVENT-BASED ANTI-WELDING SPATTER

Silicone-free anti-welding spatter product. Non-stick agents dispersed in a solvent, to be used for the protection of assemblies and tools in welding operations.

- **Pale yellow**
- Temperature: **-30 to +280°C**
- Flash point: **Non-flammable**

4807A4	650 ml aerosol
2807U2	200 kg drum



ANTIPERL WB

914

WATER-BASED ANTI FLUX RESIDUE

Silicone-free and solvent-free anti-welding spatter product. Non-toxic. Combination of non-stick agents, diluted in water, used for preventing welding spatter and projections over large areas (frames, mechanised welding, ship building etc.) Removed with water.

- **colourless to light yellow**
- Flash point: **non-flammable**
- VOC content 0%

2914J1	5 l jerry can
2914O1	20 l drum
2914U2	200 l drum

CERASPRAY

708

NOZZLE AND TUBE PROTECTION

Ceramic-based technical product for the treatment of MIG/MAG welding tubes, torches and nozzles. Treated nozzles last 5 to 10 times longer because the gas and wire can pass through more easily. Forms a film which prevents soldering tips from bursting and over-heating. Excellent non-stick agent for high-temperature mould release.

- **dry white film**
- Temperature: **1,600°C**

4708A4	650 ml aerosol
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SAFETY AND MARKING

FILL CRACK

HOLE FILLER

Semi-synthetic compound for the filling of potholes in asphalt or tarmac. Long term repairing. To be used under any weather conditions. Keeps it flexibility and resiliency. To be applied in thin layers (4cm maximum)

890402 25 kg drum

904

■ black

ICE MELT

ICE AND SNOW MELTER

10 times more effective than traditional salt as it releases heat when combined with water. Anti-slip effect wherever there is ice, black ice, snow: pedestrian crossings, paths, ski resorts, shop entrances, cold storage, local authorities, companies' security department etc. Easy to use thanks to being packaged in a bucket.

8907S2 14 l bucket

8907S5 25 kg bag

8907BB 1t Big Bag

907

■ white
Efficacy: - 50°C
Consumption:
1 kg/7-10 m²

FLOOR PATCH II

HOLE AND CRACK REPAIR

Synthetic compound for filling holes and cracks in cement, concrete and bitumen. Chemical sealing of threaded rods, poles, machine feet, manholes etc. Fluid, slow-setting self-levelling product particularly suitable for difficult and horizontal work. Long-term repair. To be used under any weather conditions.

89032K5 5 kg tub

9032

■ Dark grey

Shelf life of mixture: **15 mins**
Drying time: **2 hrs**
Density: **2**
Consumption: **2 kg/m²/mm**

TUE FRELONS

POWERFUL INSECTICIDE

Formulated with powerful active compounds, immediate devastating action. To be used only outside, for wasp and hornet nests and all human threatening species. No unpleasant smell. Spray the product while protecting yourself against counter-attacks. For firemen, technical departments, sports clubs, camp sites, leisure centres, farmers, nurseries etc.

4591A6 1,000 ml aerosol

591

Range: **6 m**
Empty in
20 seconds

SOLSEC

PLANT-BASED ABSORBENT PRODUCT

Multi-purpose, plant-based absorbent product with very good absorbency properties. Very good anti slip. Not abrasive and chemically neutral. Flame retardant (M1 rating) + 600°C. Does not create sludge or dust. Absorbs all liquids on floors: soiled water, petrol, blood, diesel etc. Required for all industries, firemen, local authorities. Pollution treatment in public areas and within companies.

5916H3 70 l bag (approx. 10 kg)

916

pH: **6.5**
Absorbency properties:
669% water
484% hydrocarbon



ABSORBANT PP

7000XX

ABSORBENT WIPES

Absorb liquid spills quickly, easily, cleanly and at optimum cost. Easy to deploy and easy to pick up. Absorbs 10 to 15 times its own weight. An essential tool for preventing pollution and keeping workshops clean. For preventive as well as curative use.

Ref.	Product	Composition
700070	40 x 45 HYDROCARBON wipes	Bag of 200 white sheets
700071	40 x 45 ALL FLUIDS wipes	Bag of 200 grey sheets
700075	8 x 120 Booms	Box of 20 grey booms
700076	Emergency Kit	1 boom + 20 all fluids wipes (30 x 30) + cloth + gloves + bin bag

ABSORBANT TDD

DIATOMACEOUS EARTH

Inert road and industrial absorbent product, free from harmful materials. Absorbs quickly and efficiently thereby avoiding pollution and slides. Does not form sludge after liquid absorption.

8935H4 20 kg bag (approx. 40 l)

935

■ reddish brown

Density: **505 kg/m³**
Pallet: **50 bags**
Absorbency properties:
137% water
154% hydrocarbon

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE



PROTECT

FLAW DETECTION

LEAK DETECTOR

GAS LEAKS

Suitable for the detection of gas leaks: compressed air, oxygen, butane, propane, CO2 etc. on connectors or valves. Instantly detects leaks by foaming. The aerosol has an adjustable nozzle. Contains a corrosion inhibitor which prevents subsequent metal oxidation.

952



4952A4 650 ml aerosol

2952J1 5 kg jerry can

2952O5 60 kg drum

LEAK DETECTOR PMUC

GAS LEAKS - HALOGEN-FREE

Leak detector without chlorine, sulphur, or fluorine. Suitable for the detection of gas leaks such as compressed air, oxygen, butane, propane, CO2 etc. on connectors or valves. Instantly detects leaks by foaming. The aerosol has an adjustable nozzle. Contains a corrosion inhibitor which prevents subsequent metal oxidation.

958



Cl - F - Br - S:
< 200ppm
PMUC: 07-010

6958A4 650 ml aerosol

CRACK DETECTOR

CRACKS, FISSURES – PENETRATING RED DYE

Highly effective red fluid which penetrates the cracks, micro-fissures and pores of metals, whether blocked or not. For testing welds during construction and monitoring wear after several years' use on tanks, pylons (ski resorts, cable cars), machine frames, cars, etc. Clean with 503, apply 957, allow the product to penetrate, wipe off, then apply 956. Flaws appear in red when white indicator 956 is applied. ASME Section V compliant.

957

■ Red
Capacity : 200 m

4957A4 650 ml aerosol

2957J1 5 l jerry can

CRACK DETECTOR

CRACKS, FISSURES - WHITE INDICATOR

White product which, when applied after the 957 product onto cracks, micro-fissures and porous metal, blocked or otherwise, makes the 957 product which has penetrated into the material reappear, thereby identifying any flaws. For testing welds during construction and monitoring wear after several years' use on tanks, pylons (ski resorts, cable cars), machine frames, automobiles etc. Clean with 503, apply 957, let it penetrate, sweep away, apply 956. Flaws appear in red when white indicator 956 is applied. ASME Section V compliant.

956

■ white
Capacity : 150 m

4956A4 650 ml aerosol

KLEANER

CRACKS, FISSURES - DRY SOLVENT

Helps prepare surfaces before detecting cracks and fissures using the 2 products from the CRACK DETECTOR range. Degreasing solvent with ultra quick evaporation that removes efficiently dust and greasy marks that could interfere with the action of detection products. Does not damage plastic, rubber, polymers etc.

503

Apple scented
Flash point:
< 0°C

4503A4 650 ml aerosol



ADHESIVE APPLICATION

310 ml CANISTER
SPRAY GUN

Ref. 700002



50 ml SYRINGE
SPRAY GUN

Ref. 700000



0.8mm ADHESIVE
APPLICATION NOZZLE



Ref. 500006

50 ml SYRINGE MIXER



Cannulas: 700001
Cannulas: 700083 (for 201)

AEROSOL

NOZZLE
BRUSH

Ref. 700068



GRASSHOPPER HEAD
NOZZLE

Ref. 52380



LINE MARKING

2-WHEEL LEVER

Ref. 8915V1

4-WHEEL TROLLEY

Ref. 8915V3

SOLUBLE OIL CONTROL

REFRACTOMETER

Ref. 700014



LIQUID APPLICATION

AÉROVAP

Ref. 700063



RECHARGEABLE
AEROSOL

Ref. 700087



SOAP DISPENSER

POWDERED SOAP
DISPENSER

Ref. ACC007



TAPS

TAP FOR
20 LITRES

Ref. 700021

TAP FOR
60 AND 200 LITRES

Ref. 5172



EMPTY PACKAGING

700059	20 ml GLASS BOTTLE
700010	20 g ADHESIVE BOTTLE
700011	90/50 ml RESIN BOTTLE
700003	100 ml MECHANICAL PUMP SPRAY
700008	1/2 l CRYSTAL CONTAINER + SPRAY
7BIDOP1/2	500 ml BOTTLE + SPRAY

700007	1 l CRYSTAL CONTAINER + SPRAY
ACC440	SPRAY TRIGGER FOR EPL 855
EPL855	1 l HDPE CONTAINER GIRAFFE NECK
700006	1 l HDPE JERRY CAN + CAP
5251	5 l CONTAINER
700013	SPRAY TRIGGER

DE-SEIZE

CLEAN

LUBRICATE

ASSEMBLE



PROTECT

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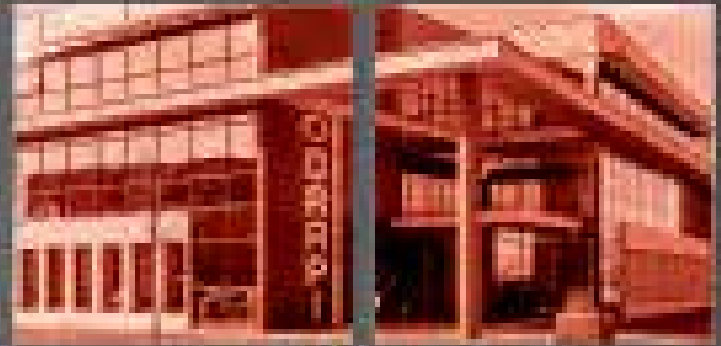
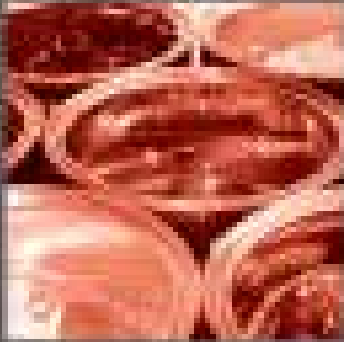
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