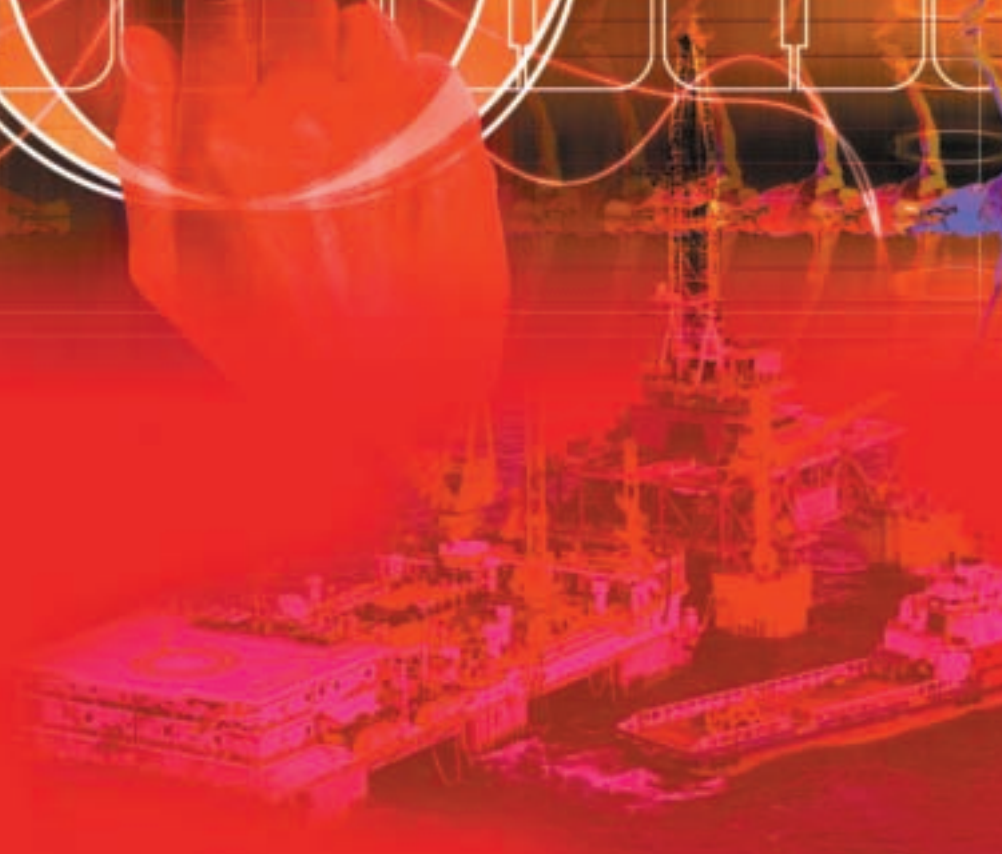




CONNECTED

www.orapi.com



**MAINTENANCE
GUIDE**

MAINTENANCE - ASSEMBLY - PRODUCTION

For 37 years, our Group has been growing on a specific market, which requires a constant innovation. We have built a worldwide organisation: our 3 plants, set up on the most important markets, strengthen our partnership with distributors.

Our global approach in the market of consumable products for equipment and machine maintenance is based on a perfect quality. It involves all environmental parameters.

Our aim is to prolong the life of user's equipment and machine, to improve customer's work and to save time. We try every day life to be the most reactive and efficient partners in order to build consumer loyalty.

This catalogue will be a complete consulting guide.

Thank you for your confidence.

The Chairman

Guy Chifflet

ORAPI dans le monde...

ORAPI AMERIQUES

ORAPI EUROPE

ORAPI PACIFIQUE

Siège social Monde : ORAPI LYON FRANCE

ORAPI est présent dans plus de 80 pays au monde et possède 3 unités de production : en FRANCE à Lyon, au CANADA à Montréal et à SINGAPOUR.
ORAPI is present in more than 80 countries in the world.
ORAPI owns 3 factories in Lyon France, in Montreal Canada and in Singapore.

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VALEO 1000.
CLASSIFICATION A.
Manufacturers category.



Quality of supplies
for the French aeronautical



and space industries.



EDF PMUC.
Products and materials
to be used in power plants.



www.drapi.com

high technology products



MAINTENANCE -

ENGINEERED SOLUTIONS

IONS WORLDWIDE

 **ORAPI[®]**

ENGINEERED SOLUTIONS WORLDWIDE



ASSEMBLY - PRODUCTION

IONS WORLDWIDE



**DISMANTLING
FREEING
LUBRICATING
HUMIDITY REMOVING
PROTECTING
CLEANING**



**THE PROOF
BY ORAPI !**

**TESTED & APPROVED
BY USERS
FOR 40 YEARS.**

800

**SUPER
ANTI-SEIZE
PRODUCT
REDUCE 4**

Very quick action.
Wetting, penetrating, rust-removing,
cleaning, water-repelling,
**For very difficult dismantling
without thread deformation.**
**Anti-rust, anti-corrosion,
anti-wear, lubricating
properties.**
All industries, services.
All uses in mechanics and
do-it-yourself



801

**LUBRICATING
ANTI-SEIZE
PRODUCT
DEGRILUB**

Essential for mechanics.
Loosens and protects.
Thanks to its excellent wetting
properties, it can act quickly on
small mechanisms, screws, bolts, ...



**What kind of product
do you want ?**

rust-removing

**universal
lubricant**

**Is dismantling difficult
due to heavily corroded parts?**

definitely

yes

Approvals

Défence : X66/DCEA604/1,
US MIL G234111,
OTAN-5758/45 US MIL 63460,
OTAN FA 5X0.

Défence : X66/DCEA604/1
US MIL G 234111

REFERENCES / PACKAGING	4800 A1 Spray 210 ml x12	4801 A4 Spray 650 ml x12
	4800 A2 Spray 405 ml x12	2801 J1 Jerry-can 5 L x4
	4800 A5 Spray 800 ml x12	2801 O1 Small cask 20 Lx1
	2800 i2 Can 1 L x12	2801 O5 Small cask 60 Lx1
	2800 J1 Jerry-can 5 L x4	
	2800 O1 Small cask 20 Lx1	

814

**NON-FLAMMABLE,
SAFETY, ANTI-
SEIZE PRODUCT
REDUCE 7**

No flash point.
Removes residues, adhesives and
paints traces. Penetrates, loosens,
decarbonizes.

**All hazardous industries :
ironworks, glassworks,
mines, ...**

Can be used until + 300°C.



799

**ANTI-SEIZE,
LUBRICATING,
FOOD-GRADE
PRODUCT
REDUCE AL**

This fluid has a low surface tension.
Infiltrates, penetrates, removes rust
and oxidation, repels water; cleans
effectively.

**Loosens and lubricates with
anti-corrosion protection.**

All seized mechanisms, small tools,
packaging machines, screws, taps,...



584

**ORANGE
RELEASING
AGENT
REDUCE ECO**

**Orange releasing product,
new generation.**

Formulated for a minimum impact
on environment.

Sweet orange perfume.

Releasing product with a high
penetrating power, very fast action
on all types of oxidized metallic parts.



805

**5 PRODUCTS
OVER 1000 USES
WR+**

**Anti-moisture, anti-corrosion,
cleaning, lubricating,
anti-seize.**

Eliminates moisture, repels water
on metal, eliminates short circuits.
Penetrates quickly into the smallest
cracks. Frees heavily corroded parts
and allows constant working. Leaves
a thin surface film to lubricate and
protect against corrosion.



non-flammable

food-grade

**environmentally
friendly**

**multipurpose,
water-repellent**

yes

no

For incidental contact with food.
Meets the requirements of the FDA
1783570 USDA HI.

Aeronautical industry
(Aerospatiale PQ 816 000).
Standard AIR 3634, NATO C634-
0192, UK DEF STAN 68 10/2, FR
DCEA 231, US MIL L3150 B Amdt 2.

4814 A4 Spray 650 ml x12

4799 A2 Spray 405 ml x12

4584A8 Spray 270 ml x12

4805 A4 Spray 650 ml x12

2799 J1 Jerry-can 5 L x4

2805 i1 Can + spray 500 ml x12

2805 J1 Jerry-can 5 L x4



CLEANING DEGREASING ORASOLV

According to your aims, your needs, your environment, make the good choice for cleaning everything.

ORASOLV solvents meet your selection criteria :

- Capacity of degreasing
- Speed of evaporation
- Simplicity of use
- Security of users
- Respect of environment and legislation



504

SUPER INDUSTRIAL DEGREASER SDI NEW

Extremely powerful degreaser for removing carbonised greases and synthetic fluids. Fuels, tars, gums, varnishes and residues produced by hydrocarbons. Dissolution of rubber and many adhesives. Brakes or clutches linings after liquid leakage. Non-flammable. Can be used on for Can be used on equipment under voltage. Immediate drying. Preliminary tests on plastics, synthetics and paints are essential.



516

BRAKE AND PARTS CLEANER NET FREINS

Cleaner for drums, pads, brake disks.

Powerful cleaner; penetrates deeply, dissolves grease, dirt.. Surfaces become clean and free of all contaminants which insure good braking. Does not leave residue, dust repellent. Used on brake cylinders, parts, plates... Assembled or dismounted No corrosive.



What are you looking for ?

non-flammable

Instant drying

What kind of cleaner ?

solvents

Colour	colourless	colourless
Flash point (°C)	none	< 0
Compatible with degreasing washers		
Surface preparation prior to bonding or painting	yes	yes
REFERENCES / PACKAGING	4504 A5 Spray 800 ml x12	4516 A4 Spray 650 ml x12
	2504 J1 Jerry-can 5 kg x4	
	2504 O1 Small cask 20 kg x1	
	2504 O5 Small cask 60 kg x1	
	2504 U2 Cask 200 kg x1	

568

**FOOD AREA
EQUIPMENT
CLEANER
ORASOLV A**

Quick drying detergent, does not leave any residue, for fortuitous contact with food.

Soluble with water. Suitable for all tools and machinery. Penetrates and dissolves fat wastes (mineral, animal), blood or lipids stains... Ideal to clear adhesive waste on conveyors' bands and glasses. Colourless does not leave any smell after evaporation. Approved FDA-CFR 172.882.



550

**ENVIRONMENTALLY
FRIENDLY
DEGREASER
ORANGE
SOLVENT**

Specially formulated for environment protection.

Cleans, degreases, dissolves and protects all mechanical parts and polluted installations. Fruity odour. Non irritant. Ecofriendly tar remover: Excellent to remove paper labels and adhesives residues.

LEADER



511

**MECHANICS
ORASOLV
M1**

Fast evaporating cleaning solvent.

Quick cleaning of all materials and small parts including printed circuits. Ideal for hard to reach areas. Easily dissolves heavy grease. Does not attack fragile materials, marking inks. Quick evaporation at ambient temperature.



541

**HIGH
PERFORMANCE
ORASOLV
P2**

High-technology, new generation solvent. **Specially formulated for the quick and full degreasing of very greasy mechanical parts and metal surfaces.**

Used by dipping for stubborn residues, it is recommended for electrical and electronic appliances. Cleans engines blocks, flanges, electric motors coils (disassembled), degreases stainless steel.



539

**EMULSIFIABLE
ORASOLV E**

Excellent degreaser for effective removal of tar, grease, oil and semi cured resins of adhesive and paint.

Can be applied by brushing or by spraying. Ready for use. Allow the product to work depending on the dirt degree, then rinse with solvent or with water under pressure. Degreases badly encrusted mechanical parts, cement or concrete floors, engines, machines frames, tanks of trucks polluted by heavy fuels.



Food contact

**heavy
contamination
adhesives
residues**

multipurpose

multipurpose

**tar removal,
heavy
contamination**

solvents

colourless

orange

green

green

blue

< 2l

>60

>40

>60

>40

yes

yes

yes

yes

yes

4568A4 Spray 650 ml x12

4550A4 Spray 650 ml x12

2511 J1 Jerry-can 5 L x4

4541 A4 Cask 200 L x1

2539 J1 Jerry-can 5 L x4

2568 J1 Jerry-can 5 L x4

2550 J1 Jerry-can 5 L x4

2511 O1 Small cask 20 L x1

2541 J1

2539 O1 Small cask 20 L x1

2568 O1 Small cask 20 L x1

2550 O1 Small cask 20 L x1

2511 O5 Small cask 60 L x1

2541 O3

2539 O5 Small cask 60 L x1

2550 O5 Small cask 60 L x1

2511 U2 Cask 200 L x1

2541 O5

2539 U2 Cask 200 L x1

2550 U2 Cask 200 L x1

2541 U2



CLEANING DEGREASING ORANET

*According to your aims, your needs, your environment, make the good choice.
ORAPI offers a comprehensive range of water-based products in order to clean everything: floors, tools, car bodies, tank, rims, engines...*



515

HIGHLY CONCENTRATED DETERGENT ORANET BI

Very powerful liquid detergent.
Cleaning of coachworks, trucks and cars, covers, painted surfaces, rims, ...
Can be used by brushing, in automatic washers or in high pressure cleaning systems. Floor cleaning with brushing machines. Multipurpose for all industries. Can be used diluted in water from 2 to 20 % and from 0.5 to 1 % in automatic washers.



551

CONCENTRATED CLEANER BIODEGRADABLE ORACLEAN

Environment-friendly. 100% biodegradable.
For D.I.Y, gardening, household cleaning, garages, swimming pools, motorbikes, bicycles, tools, lawn mower.
Degreasing agent for all types of surfaces.
Oily or polluted surfaces. Can be used diluted.
Suitable for pressurized cleaning equipment.



Cleaning quality

very powerful

multipurpose

What kind of cleaner ?

aqueous cleaner

Colour	blue	blue
Flash point	none	none
Surfaces preparation	yes	yes
Approvals		
REFERENCES / PACKAGING	2515iI Can + spray 500 ml x12	2551iI Can + spray 500 ml x12
	2515Jl Jerry-can 5 kg x4	2551Ol Small cask 20 L x1
	2515O1 Small cask 20 kg x1	
	2515U2 Cask 200 kg x1	

530

**FOOD
INDUSTRY
CLEANER
ORANET A**

529

**CONCENTRATED
CLEANER
NETTOYANT
JANTES**

547

**SHAMPOO FOR
CAR BODY
NETTOYANT
CARROSSERIE**

679

**PIPES
UNBLOCK
CODE 79**

962

**SCALE
REMOVER
ORATARTRE**

NSF**A1**

Dissolves greases and oily soils quickly and effectively.

For areas, such as garbage collections and storage areas, septic tanks, lagoons, sewage plants and related facilities. It eliminates all bad smells. Used diluted with water 2% to 20%. Inodorous. USDA D1.

Specially designed for cleaning all type of rims.

Removes encrusted dirt : grease, oil, tar, brake dust, and stains due to the exhaust system. Spray the product on the rim and spread with a brush or a sponge regularly. Leave it to work a few minutes. Then rinse off with water. Repeat the operation if it is still stained.

Ideal for machine or manual washing.

Ultra concentrated shampoo. Can be used diluted in water from 5 to 20 %. Its exceptional composition removes greasy deposits, dissolves very encrusted dirt. The product is also effective on vinyl, aluminium, chrome and glazed surfaces.

Liquid drain renovator.

Powerful pipes unblock. Environmentally friendly. Does not damage piping (copper, steel, PVC), joints. Controlled activity no turning back. Active on organic materials, fat soap, tartar, hairs, paper, tissue, creams... Ideal for bars, hotels, schools, industrial installation, agro-alimentary farms.

Powerful cleaner for tiles and joints.

Scale remover for all industrial machinery, pipework, boilers, exchangers, removes cement chalking, cleans tiling joints (does not cause metal oxidation). Ready for use. Can be used diluted.

**food contact****specially for car, motorcycle, trucks...****acid cleaner****powerfull cleaner****aqueous cleaner****acid cleaner**

colourless

blue

blue

green

yellow

none

none

none

>60

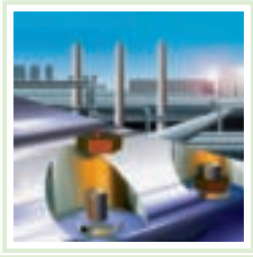
yes

yes

yes

CNERNA 1992 - FDA 21CFR 178-3570 - NSF A1

2530J1 Jerry-can 5 kg x4**2529i1** Can + spray 500 ml x12**2547i1** Can + spray 500 ml x12**400.021** Can 1L x12**2962J1** Jerry-can 5 L x4**2530O1** Small cask 20 kg x1**2529J1** Jerry-can 5 L x4**2547O1** Small cask 20 kg x1**2530O5** Small cask 60 kg x1**2547O5** Small cask 60 kg x1**2530U2** Cask 200 kg x1**2547U2** Cask 200 kg x1



RE-ASSEMBLING TREATING LUBRICATING

Protection and lubricating, anti-seize, anti-wear, anti-corrosion and anti-fretting product for assembling and running. Protection properties against extreme atmospheres : high pressures, very corrosive chemical environments, extreme temperatures.



700

PRE-TREATMENT

MOLYSPRAY

Treatment and pre-treatment of all mechanisms or parts requiring parts requiring assembly.

Dry lubrication of small mechanisms. Makes running-in easier. Resists oxygen. Application by spraying achieves uniform film.



701

CLEAN

TEFLISS 2

PTFE-based clean and dry lubricant.

Very low friction coefficient. **Hydrophobic, does not stain.** Suitable for all mechanisms requiring a thin film of micronized PTFE : sliding panels, saw blades, slidings, conveyor belts, swinging and sliding joints, photocopiers, winches...



What kind of lubricant agent do you need ?

Do you need a dry lubricant or a paste ?

MoS2

PTFE

dry lubricants

Colour	bluish grey	translucent white
Temperature	- 200 to 450 °C	- 120 to 250 °C
Qualification	Aérospatiale PQ 816 .00 OTAN S 749 - FR STPA n°34593 US MIL-L-23398C.	

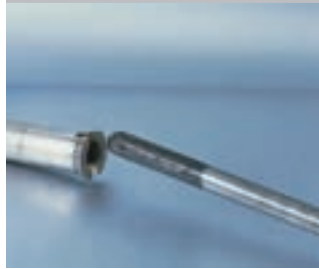
REFERENCES / PACKAGING	4700 A4 Spray 650 ml x12	4701 A4 Spray 650 ml x12
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603**ASSEMBLY PASTE****PASTE SPRAY****Application of the MoS₂-based paste by spraying.**

Reinforced extreme pressure properties.
Lubrication of tools, assemblies and mechanical parts.
Easy to use.
Use by spraying a thin film..

**614****LUBRICATING****LM 20****Lubricating paste based on ultra-pure synthetic graphite.**

Very easy application.
Outstanding adhesion, prevents oxidation, allows perfect sealing of gaskets and links.
Greasing of mechanisms, joints, taps, gates, bearings working in humid atmospheres and at high temperatures.
Makes assembling and disassembling easier.

**601****ANTI-CORROSION****HT 600****Specially formulated for parts subjected to bad weather.**

Aluminium-based assembling and mounting paste.
Suitable for all screwed parts subjected to oxidizing temperatures and atmospheres: screws, bolts, civil engineering, highways, ski resorts, chemical industries.
Makes disassembling of treated parts easier.

**600****HIGH TEMPERATURES****TM 900S**

Mounting and assembling paste formulated to treat and lubricate surfaces. Contains a special support and finely micronized copper.
Specially formulated to treat tools, axles, rollers, slow movements and all parts requiring to be re-disassembled.
Recommended for steel ladle nozzles in steelworks. Excellent electric and thermic conductivity. Greasing of contacts.
Easy application.
Makes assembling and disassembling easier, even after several years.

**MoS₂****graphite****aluminium****copper****assembling paste****anti-seize paste**

bluish grey

black

silvery

copper

- 40 to 450 °C

- 40 to 900 °C

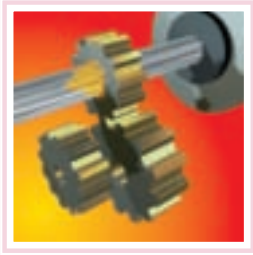
- 40 to 650 °C dry lubrication

- 40 to 1100 °C dry lubrication

ISOL 674319
XADI H2

MIL A 097

4603 A4 Spray 650 ml x12**3614 T4** Tube 200 g x12**4601 A4** Spray 650 ml x12**4600 A4** Spray 650 ml x12**3614 B7** Tin 1 kg x6**3601 T4** Tube 200 g x12**3600 T4** Tube 200 g x12**3601 B7** Tin 1 kg x6**3600 C4** Cartridge 410 g x12**3600 B7** Tin 1 kg x6**3600 O2** Small cask 25 kg x1**3600 U2** Cask 180 kg x1



GREASING

This comprehensive range of Orapi greases provide anti-seize and anti-wear protection reducing friction and heat. Making the right choice is important and will help extend the working life of your asset.



677

UNIVERSAL GREASE

CT 10

Multipurpose soap grease based on lithium.

No drop point.
Recommended for general lubrication in industry, in the car industry.
Lubrication of car bodies, farm equipment.
Civil engineering application
Ball bearings or roller bearings.
Meets SOLLAC requirement / FT 221



625

GRAPHITE-BASED LITHIUM SOAP

CT 12G

This grease has an extremely low friction coefficient.

Allows extended greasing intervals.



What kind of grease are you looking for ?

multipurpose

multipurpose

Colour

brown

black

Temperature

-30 to 130 °C

-30 to 165 °C

Qualification

DN Factor

350 000

350 000

EP

190

190

REFERENCES / PACKAGING

3677 C4 Cartridge 410 g x12

3625 B7 Tin 1 kg x6

3677 B7 Tin 1 kg x6

602**LITHIUM SOAP****CT 14****Optimizes the lifetime of lubricated parts.**

Lubrication of parts subjected to Medium conditions, ball bearings and roller bearings, parts lubrication in water purification stations, trucks, trailers, ...

**608****MoS2-BASED LITHIUM SOAP****CT 4**

Multi-purpose.

For all difficult uses involving heavy loads. For bearings, joints and all mechanisms.

Using MoS2 (Molybdenum disulphide) provides increased load carrying properties and increased resistance to wear.

**607****LITHIUM AND TEFLON®-BASED SOAP****CT FLON**

TEFLON®-based grease.

Multipurpose.

Suitable for all difficult and delicate applications.

For bearings, joints and all mechanisms. Extends greasing intervals.

Exists in food contact version : CT FLON AL 618

**605****MARINE GREASE****WSA****Good adhesion and resistance to water and vapour.**

Multipurpose.

Suitable for marine atmospheres and hydraulic industries.

For bearings, axles, joints, gates, slidings, in the paper, chemical, petrochemical industries, locks gates, harbour equipment, water purification stations, ...

**multipurpose**

light amber

-30 to 165 °C

bearings

bluish grey

-30 to 165 °C

clean

light beige

-40 to 190 °C

marine

green

-30 to 130 °C

Aeronautical industry
MAN 2232/79 STM 7430A, NATO G450.
MIL G 24139 Amdt I.
Marine standard:
STM 7420B, NATO G460.

250 000

315

4602 A4 Spray 650 ml x12**3602 T3** Tube 100 g x12**3602 C4** Cartridge 410 g x12**3602 B7** Tin 1 kg x6**3602 S1** Pail 5 kg x2**3602 O4** Small cask 50 kg x1

350 000

250

3608 T3 Tube 100 g x12**3608 T4** Tube 200 g x12**3608 C4** Cartridge 410 g x12**3608 B7** Tin 1 kg x6**3608 S1** Pail 5 kg x2**3608 O2** Small cask 25 kg x1**3608 O4** Small cask 50 kg x1

350 000

190

4607 A4 Spray 650 ml x12**3607 C4** Cartridge 410 g x12**3607 B7** Tin 1 kg x6**3607 S1** Pail 5 kg x2**CT FLON AL 618****3618 C4** Cartridge 410 g x12**3618 B7** Tin 1 kg x6**3618 S1** Pail 5 kg x2

50 000

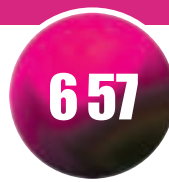
315

4605 A4 Spray 650 ml x12**3605 T4** Tube 200 g x12**3605 C4** Cartridge 410 g x12**3605 B7** Tin 1 kg x6**3605 S1** Pail 5 kg x2**3605 O4** Small cask 50 kg x1**3605 O2** Small cask 25 kg x1



SPECIAL GREASES

This comprehensive range of Orapi greases provide anti-seize and anti-wear protection reducing friction and heat. Making the right choice is important and will help extend the working life of your asset.



VASELINE CODEX

VASCO

Specially formulated for the lubrication of delicate mechanisms in contact with food.
For the food, farm-produce and pharmaceutical industries.



CLEAN GREASE CODEX

CT 609

Grease for the food industry, conforms to the CNERNA 1992 guide.

Can be used for incidental contact with food.

Suitable for micromechanisms, rods, filters, jacks, moulds.

Exists in EP food contact, especially for rolling bearing : CT 615



H1

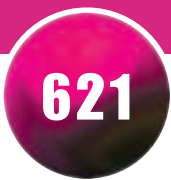


What kind of grease are you looking for ?

delicate mechanisms

food

Colour	translucent	translucent
Temperature	-20 to 50 °C	-30 to 150 °C
Qualification	Reference in the pharmaceutical and food industries: FDA 1783570 – USDA HI	References : FDA 1783570 - USDA HI NSF HI
FACTEUR DN		
EP		
REFERENCES / PACKAGING	3657 B7 Tin 1 kg x1	3609 A4 Spray 650 ml x12
	3657 SI Pail 5 kg x1	3609 T4 Tube 200 g x12
		3609 C4 Cartridge 410 g x12
		3609 B7 Tin 1 kg x6
		3609 O4 Small cask 50 kg x1
		CT 615
		3615 C4 Cartridge 410 g x12
		3615 B7 Tin 1 kg x6



SILICONE GREASE

SI 4

Formulated for the assembling and greasing of all mechanisms.

Water-repellent.

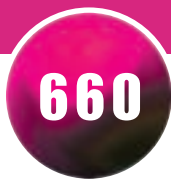
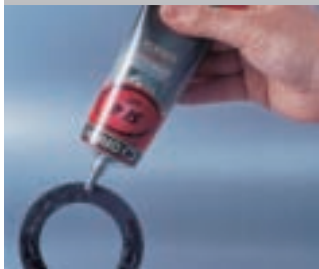
Excellent thermic conductivity.

Chemically inert.

Preserves the flexibility of rubber seals and protects all electric appliances.

Food contact version : SI ROBINET 65 I

Conforms to the positiv lists of drinking water (06/10/2004).



BENTONE HIGH TEMPERATURE

M4

Molybdenum disulphide-based bentone soap grease.

No drop point.

Does not drip.

For bearings, axles, joints working at high temperatures.

Extreme pressures ...

Very stable with time.

Bearings of ovens, pumps, ...

Very resistant to temperatures.



COMPLEX LITHIUM-BASED SOAP

CTDMEP2

Multipurpose grease.

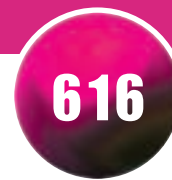
Excellent long-lasting resistance to oxidation.

For bearings working at high temperatures and in severe atmospheres.

For oil, chemical, steel, paper industries.

Very easy application.

High stability.



HIGH PERFORMANCE GREASE

CT 830

Fluorinated synthetic grease which is resistant to hydrocarbons and chlorates.

Very stable with time.

Recommended for difficult greasings: gates, bearings, pipe-lines, drilling heads, refineries, chemical plants, dams, ...

Suitable for the greasing of conveyors in epoxy painting cabins.



water-repellent taps and seals

translucent

-40 to 200 °C

high temperatures

grey

-35 to 225 °C

SNCF IVM 00011
for bearings on tightening devices of catenary fittings

extreme pressure

blue

-30 to 230 °C

500 000

315

corrosives non atmospheres

white

-40 to 280 °C

Reference CNERNA (1992)
Conforms to FDA-USDA H1
Oxygen contact Air Liquide
ENISOIII4.3 – ENII797-1

3621 T3 Tube 100 g x12

3621 B7 Tin 1 kg x3

SI ROBINET 65 I

3651 T3 Tube 100 g x12

3651 B7 Tin 1 kg x 3

3660 C4 Cartridge 410 g x1

3660 B7 Tin 1 kg x6

3660 O4 Small cask 50 kg x1

3606 C4 Cartridge 410 g x12

3606 B7 Tin 1 kg x6

3606 SI Pail 5 kg x2

3606 O4 Small cask 50 kg x1

3616 T3 Tube 100 g x3

3616 C5 Cartridge 800 g x1



LUBRICATING

Lubrication of chains, cables, conveyors...
Lubrication of rubbers (allows sliding) ...
Mould release of plastics.
Using ORAPI products will help you to save time and to prolong the life of treated parts, even in harsh environments: humidity, corrosion, dust, high and low temperatures.



806

CLEAN LUBRICANT FOR CHAINS

CB6

Water-resistant synthetic fluid.
 Specially formulated for the greasing of chains, conveyors, bearings, mechanisms working at high temperatures and in dusty environments.
Does not stain, does not attract dust.
 Reinforced anti-oxidizing properties. Can be used by brushing, by spraying, drop by drop. For industries, farming equipment, leisure activities (motorbike, moutain bike, ...).



802

CHAINS LUBRICANT

CB5

Molybdenum disulphide-based fluid.
Specially formulated for the lubrication of chains and cables subject to heavy loads and working in dusty environments.
Cleans, penetrates, lubricates and protects, without attracting dust.
 Lubricates the inner part of axles, of strands and links. For all traction and transmission chains, ovens, drying tenters, fork-lift trucks...



What kind of lubricant ?

synthetic

MoS2

What would you like to lubricate ?

chains

	light	black
Colour	light	black
Temperature	-30 to 320 °C	-30 to 230 °C (450° C in dry lubrication)
Qualification	Recommended by Sedis, "1st French manufacturer" for the chain maintenance.	Recommended by Sedis, "1st French manufacturer" for the chain maintenance.
REFERENCES / PACKAGING	4806 A4 Spray 650 ml x12 3806 J1 Jerry-can 5 L x4	4802 A4 Spray 650 ml x12 2802 J1 Jerry-can 5 L x4

810

LIGHT OIL

FINE 121

Refined lubricant for very delicate greasings. **Colourless and clean. Very fluid.** Can be used for the lubrication of micro-mechanisms, control devices, locks, rods. Suitable for the textile and clothing industries. Pneumatic circuits.



705

CLEAN LUBRICANT

ORAFLON

Very high-technology lubricant with Teflon®. Allows long-lasting semi-greasy lubrication. Does not stain and does not attract dust. Anti-wear and anti-oxidation properties, excellent adhesion. **Lowest known friction coefficient.** Outstanding resistance to water and cold. Suitable for chains, cables, slidings, sensitive mechanisms, bearings in all industries. **Food grade version : Ref 707.**



803

LUBRICATION MOULD RELEASE SILICONE SPRAY

Mould release agent for rubbers and plastics. **Anti-corrosion protection.** Protection of cutting tables and cutting blades. Anti-adhesion, anti-static, lubrication of conveyor belts, guides, sliding ways in the packaging and textile industries. Prevents dust attraction. **Exists in food contact version : Silal 812** Conforms to the positive lists of drinking water; 06/01/2005



612

CABLE AND GEAR LUBRICANT CB 612

This grease was formulated with mixed complex soaps with extreme pressure agents. Withstands high and low temperatures and heavy loads. Reduces noises, vibrations and saves energy. Lubrication of bare gearings, of ore grinders driving systems, of bearings, cables. Often used in ski resorts (skilifts cables).



830

HIGH PERFORMANCE LUBRICANTS LUBRIFIANT HP

Excellent stability at high temperature and in chemical environment. Colourless, odourless. Acid resistant. Non flammable. Harmless when in contact with food. Very long lasting greasing. Can be used between -30°C t +230°C.



vaseline

Teflon®

silicone

synthetic

fluorated silicone free

mechanisms

rubbers plastics

cables gearings

agressive environments

colourless

brown

colourless

brown

colourless

-30 to 80 °C

-20 to 230 °C

-50 to 230 °C

-50 to 220 °C (260°C in peak)

-30 to 230 °C

CODEX product.
Conforms to: FDA 17836200
USDA HI, FDA 21CFR 172878
CNERNA 1992
Recommended by Sedis

SNCF

NSF H1
(SILAL)

4810 A4 Spray 650 ml x12

2705 MI Spray 100 ml x12

4803 A4 Spray 650 ml x12

4612 A4 Spray 650 ml x12

4830 A2 Spray 300 g x12

2810 RI Oilcan 125ml x12

4705 A2 Spray 405 ml x12

2810 i2 Can 1 L x12

2705 i2 Can 1 L x6

2810 J1 Jerry-can 5 L x4

2705 J1 Jerry-can 5 L x1

ORAFLON AL 707

SIL AL 812

2707 i2 Can 1 L x6

4812 A4 Spray 650 ml x12



H1



THREAD LOCKING

Anaerobic resins for the locking and sealing of all threaded assemblies subject to lateral, axial stresses and to vibrations and shocks. The product being 100% in contact with the surface allows for superior load distribution. It prevents ageing, provides anti-corrosion protection and permits sealing. Prevents loosening due to vibration and shocks. Resists all industrial gases and fluids and eliminates the need for star washers and lock nuts.



298
FOOD INDUSTRY
FREINAGE ALIMENTAIRE

Retaining and sealing. Recommended for the locking of screws, bolts, nuts...
in all mechanics linked to the food industry.
Locks, retains, blocks strengthens all assemblies.
Medium strength
Anaerobic resin for the locking of screws, bolts, nuts for assemblies which require to be disassembled later with normal tools.
Meets the requirements of the food industry.



303
MEDIUM STRENGTH
FREINAGE MOYEN

Locking and sealing of all threaded parts.
Can be disassembled with standard tools.
Excellent product against vibrations



What kind of resistance do you want ?
Easy to disassembly

Are parts already assembled ?

Medium strength
Disassembling with standard tools

no

Colour	colourless	red
Handling time on steel	< 40 minutes	10 to 25 minutes
Full cure	12 to 24 h	12 to 24 h
Breakaway torque on M 10 steel bolts NFT 76-124	20 Nm	15 - 20 N.m
Gap	< 0,25 mm	0,05 to 0,3 mm
Operating temperature	- 60 to 150°C	- 60 to 150°C
Application	Up to M16 threads and M36 fine threads	Up to M16 threads and M36 fine threads
Approvals		Conforms to EDF
Qualification		Conforms to Aerospatiale
REFERENCES / PACKAGING	I298 F3 Flask 50 ml x6	I303 F1 Flask 5 ml x12
		I303 F9 Flask 24 ml x12
		I303 F3 Flask 50 ml x6
		I303 F5 Flask 250 ml x2



**HIGH
RESISTANCE
FREINAGE
FORT**

Permanent locking of threads which do normally not require to be disassembled.

Very resistant to shocks and vibrations.
Permits the sealing of tapped holes.



**LOW
STRENGTH
FREINAGE
FAIBLE**

Fragile and low-stress assemblies.

Can be easily disassembled with normal tools.



**ACCELERATES
THE CURING
OF RESINS
NETTOYANT 3141**

Reduces the setting time of anaerobic resins.

Recommended for passive surfaces (treated surfaces: anodized, cadmium-plated surfaces, ...).
For inactive surfaces (stainless steel, plastics...). For large gaps.
When temperature is below 10° C.



**DRY SOLVENT
FOR SURFACES
PREPARATION
NDI**

Essential for cleaning before bonding and for preparation before painting. Very quick evaporation.
Cleans metal and plastic surfaces, after preliminary compatibility test.
Leaves a clean and dry surface.



**high resistance
permanent locking**

**low strength
easy disassembling**

**You need
a quick setting
time**

**OUR ADVICE :
degrease
the parts prior
to assembling**

no

green

blue

10 to 25 minutes

10 to 25 minutes

12 to 24 h

12 to 24 h

> 25 N.m

7 - 13 N.m

0,05 to 0,3 mm

0,05 to 3 mm

- 60 to 150°C

- 60 to 150°C

Up to M20 normal threads, and M40 fine threads

Up to M16 normal threads, and M36 fine threads

EDF : PMUC 16048

Conforms to EDF

Aerospatiale : PQ 10053-051-03

Conforms to Aerospatiale

I300 F9 Flask 24 ml x12

I306 F3 Flask 50 ml x6

4016 A4 Spray 650 ml x12

4507 A4 Spray 650 ml x12

I300 F3 Flask 50 ml x6

I306 F5 Flask 250 ml x2

I300 F5 Flask 250 ml x2

I300 F1 Flask 5 ml x12



ASSEMBLING AXLES, RINGS,

Anaerobic resins for the adhesion of smooth assemblies of all types : sockets on axles, bearings, bushes, anti-friction rings in bores, ... Parts can be assembled with wider tolerances.

Resin provides anti-corrosion protection and creates a seal.

The use of keys, circlips and shoulders may be eliminated.

In press fitted assemblies, adhesion is multiplied by 3.



318

MIDDLE STRENGTH RETAINING BLOCK ROULEMENT

Middle strength retaining-gap $\leq 0,05$ mm
Retaining of bearings, sleeves, inserts, bushes, pulley...

Retaining of parts requiring dismantling with normal tools at a later stage.

Strengthening of fitted parts.

Improves the reliability of assembled parts.

Block roulement 60
Réf : 317 identical to 318 with higher viscosity for larger gaps (between 0,05 to 0,15 mm).



314

STRONG FIXATION BLOCK BAGUE

Securing of rings, sleeves, inserts, pulleys, bearings, .. with high shear strength.

Strengthening of channeled, fixed and keyed fitted assemblies.

Provides anti-fretting, anti-corrosion and anti-deformation protection of parts. Replaces tight adjustment by sliding adjustment.

Load distribution on 100 % of surfaces.

Block bague 60
Réf : 313 identical to 314 with higher viscosity for larger gaps.



How big is the gap ?

< 0,05 mm

Colour	red	green
Handling time on steel	10 to 25 minutes	10 to 25 minutes
Time before subjecting the machine to any service load	45 to 90 minutes	45 to 90 minutes
Full cure	12 to 24 h	12 to 24 h
Shear strength NFT76-121	> 15 N/mm ²	> 20 N/mm ²
Operating temperature	-60 to 150 °C	-60 to 150 °C
Qualification	318 : EDFPMUC 16051 Conforms to the specifications of the French Army.	EDF PMUC 16050 Aerospatiale: PQ 10053-062-03 Conforms to the specifications of the French Army.
REFERENCES / PACKAGING	1318 F3 Flask 50 ml x6 1318 F5 Flask 250 ml x2	1314 F3 Flask 50 ml x6 1314 F5 Flask 250 ml x2
	317 BLOCK ROULEMENT 60	313 BLOCK BAGUE 60
	1317 F3 Flask 50 ml x6 1317 F5 Flask 250 ml x2	1313 F9 Blister Flask 24 ml x12 1313 F3 Flask 50 ml x6 1313 F5 Flask 250 ml x2

316

SECURING OF BUSHES, AS RECEIVED BLOCK OIL TOLERANT

Assembling of bushes, bearings, sleeves, pulleys.

No preliminary cleaning.

Offers very good tolerance to greasy surfaces. Suitable for the assembling of self-lubricating bushes.

**310**

MAXIMUM STRENGTH AND FAST DRYING FIXPRESS

Very high dynamic strength.

Allows wider machine tolerances.

Recommended for assemblies, which do not require

**312**

SECURING, REPAIR FIXMETAL

Pasty anaerobic resin.

Repairing without machining of loose parts, even with irregular gap.

Housings of ovalized bearings with a diametral gap of 0.5 mm maxi. Repair of worn or scratched shafts. Resistant to shocks and vibrations.

It is recommended to use the cleaner 3140

**015**

CURING ACCELERATION OF RESINS ACTIVATEUR 3140

Reduces the setting time of anaerobic resins.

Recommended on passive surfaces (treated surfaces: anodized, cadmium-plated, ...).

On inactive surfaces (stainless steel, plastics, ...).

For large gaps.

Suitable when temperature is below 10° C.

**< 0,15 mm**

green

10 to 30 minutes

1 to 6 h

12 to 24 h

> 25 N/mm²

-60 to 150 °C

VALEO : 2808330

I316 F3 Flask 50 ml x6**I316 F5** Flask 250 ml x2**0,15 à 0,25 mm**

verte

3 to 5 minutes

45 minutes

6 to 12 h

> 25 N/mm²

-60 to 150 °C

Aerospatiale: PQ 10053-060/061-03.

Conforms to the specifications of the French Army.

I310 F3 Flask 50 ml x6**I310 F5** Flask 250 ml x2**< 0,5 mm**

dark grey

20 to 45 minutes

2 to 6 h

24 h

> 20 N/mm²

-60 to 150 °C

You need a quick setting time

red

EDFPMUC 16055

Aerospatiale PQ 100.53.064.04

n° ITEM Airbus 08-009B

I015 MI Spray 100 ml x12



SEALING THREADED CONNECTIONS

This range of products outdates tapes and hems.
No risk of filters clogging by migration.
Sealing of all fluids: hot water, cold water, gases, oils, solvents, oxygen, ...
The connections sealed with these products can be disassembled with standard tools.



133

PLASTIC THREADS SEALINGS JOINTPLAST

Sealing of plastic/plastic and mixed (plastic/metal) threaded connections. Resistant to gases, cold and hot water.
Sealing of plastic and mixed (plastic/metal) threaded connections.
Immediate sealing at low pressure (10 bars) after 24 hours. Easy disassembling.
Allows housings and electrical boxes to be sealed.



341

LIQUID PTFE TAPE SEALFLON LIQUIDE

Aqueous fluid with PTFE. Sealing of threads and flat gaskets.
Allow the film to dry before assembling (possible drying in a stove at 70° C).
After drying, Sealflon liquide forms a flexible film providing easy disassembling and later re-assembling.
Avoids all overthicknesses



**What kind of joint ?
Application**

**Are the connections metal
or plastic connections ?**

elastomer

PTFE

**plastic / plastic
or plastic / metal**

Colour	red	white
Handling time	15 minutes	30 minutes to 1 h
Full cure	24 h	24 h
Beakaway torque on M10 steel bolts		ca 5 N.m
Gap	0,4 mm maxi	0,15 mm maxi
Operating temperature	-50 to 250°C	-50 to 250°C
Approvals and standards		

REFERENCES / PACKAGING

I 133 T3 Tube 100 g x12

I 341 B4 Tin + brush. 300 g x6

340

**PASTY PTFE
TAPE
SEALFLON
PATEUX**

Aqueous sealing paste with PTFE.
Resistant to vibrations and chemicals.

Sealflon pâteux forms a flexible and easy-to-disassemble gasket.

Immediate sealing on PVC piping.

**329**

**SERVO-
MECHANISMS
SENSORS
HYDRAULOCK**

Medium strength liquid gasket.

Seals hydraulic or pneumatic connections up to 0.75 inches.

Resistant to all hydraulic and synthetic fluids.

Easy disassembling with standard tools.

**366**

**THREADED
SEALING
TUBELOCK AL**

Multipurpose single-component anaerobic adhesive for the sealing of metallic threaded caps, pipes and connections in the food industry.
Single component, clean, easy to use and non toxic.

**367**

**THREADED
CONNECTIONS
AND PLUGS
TUBELOCK C**

Seals threaded pipes and connections.
Outdates tapes and hems for all piping, plugs, connections, gas, water...
Almost immediate sealing at low pressure.
Resistant to most chemicals.
Easy disassembling.
Suitable for a wide range of dimensions (up to 3 inches diameter).

CONFORME NORME

AFNOR

NFEN 751-1H
Norme gaz, eau chaude et froide

331

**TEFLON®-BASED
PIPING
CONNECTIONS
JOINT
LIQUIDE**

Teflon®-based gaskets for connections, hydraulic or pneumatic piping, heating.
Prevents all leaks. Resistant to all fluids. Resists shocks and vibrations.

No risk of pipe clogging.
Seals and locks connections.

No ulterior tightening is necessary (no shrinking, no ageing of the gasket).

**PTFE**

**fine threads
up to 19 mm**

**anaerobic
large threads up to 80 mm**

food

universal

**plastic
metal**

metal / metal

white

blue

yellow

orangey brown

white

30 minutes to 1 h

10 to 25 minutes

2 to 10 minutes

2 to 10 minutes

20 to 40 minutes

24 h

12 to 24 h

12 to 24 h

12 to 24 h

12 to 24 h

ca 5 N.m

7 - 13 N.m

10 - 12 N.m

2 - 12 N.m

5 - 13 N.m

0,3 mm maxi

0,3 mm maxi

0,25 mm maxi

0,3 mm maxi

0,5mm maxi

-50 to 250°C

-60 to 150 °C

-60 to 150 °C

-60 to 150 °C

-60 to 180 °C

Approved by NSF I27970
AFNOR NF 751 1H
Gas, hot and cold water

Approved by GDF
AFNOR NF 751 1 H
Gas, hot and cold water

Meets the requirements
of the French Army.
Oxygen up to 20 bars:
approved by Air Liquide.

I340T3 Tube 100 g x6**I329 F3** Flask 50 ml x6**I366 F7** Accord. 50 ml x6**I367 F7** Accord. 50 ml x6**I331 T2** Tube 50 ml x6**I329 F5** Flask 250 ml x2**I367 T2** Tube 50 ml x6**I331 T4** Tube 200 ml x2**I367 T4** Tube 200 ml x2



SEALING HOUSINGS FLANGES

ORAPI sealing products are designed to prevent leaks, even at high pressures or with large gaps or irregular surfaces. They reduce bolts fatigue and untimely loosening due to the wear of standard gaskets. All kinds of gaskets can be made, even with complicated sizes or shapes.



342

NON HARDENING SEALANT

ORASEAL

Flexible sealant.

Sealing of threaded parts and face joints.

Easy dismantling. Does not harden.

Slight locking effect on threaded assemblies at room temperature.

Can be used on all metal, paper, felt, and cork seals, as well as on machined surfaces.

Ready for use.

Temperature range : -50° to +300°C

Ideal to allow pre-cut gasket to adhere.

ORASEAL+ 343 with higher viscosity.



104

MULTIPURPOSE SILICONE GEL

SILICONE PRESSURISÉ

Black silicone gasket for all sealing of sumps, collectors, doors, covers **Pressurised cartridge for easier use.**

A slight push on the nozzle emits a regular and uniform flow of gel.



What kind of flat gasket do you want to make ?

removable

flexible

Colour	green	black
Handling time	ready to use	
Full cure	do not dry	24 h
Film forming		10 minutes
Operating temperature	-50 to 300°C	- 65 to 250°C
Breakaway/Shear strength		
Shore A hardness		25 to 33
Gap		5 mm
Approvals		
REFERENCES / PACKAGING	I 342 T3 Tube 100 ml x12	I 104 A1 Press. cart. 200 ml x12
	I 342 B4 Tin + Brush 300 ml x12	I 104 C3 Cartridge 310 ml x12
	ORASEAL THICKER 343	
	I 343 T3 Tube 100 ml x12	

102**MULTIPURPOSE
GASKET****JOINT BLEU**

Outdates cut gaskets on sumps, collectors, doors, covers, ... even damaged ones.

Adheres to all materials.
Resistant to oils, gases. Anti-frost.

Does not drip.

**CAR
SEALING****145****SPECIAL OILS /
HYDROCARBONS
JOINT
METAL**

Oils-resistant flexible gasket.

Outdates cut gaskets on sumps, collectors, doors, covers, ...
to form a seal against water, oils, solvents.
High mechanical strength and high resistance to corrosive fluids.
Suitable on sumps with surface flaws.

Does not drip.

**333****HIGH
RESISTANCE****PORAJOINT**

Sealing gel for all flanges.

Can be applied to vertical surfaces.
Recommended for flanges with complex profiles.

**418****BONDING,
SEALING UP
TO 1500° C****THERMIQUE**

Gasketing and sealing putty. Resistant to very high temperatures.

Ready for use.
Asbestos-free.
Very adherent, no deformation, no crack, even at high temperatures.
Gasketing and repair of ovens, boilers, chimneys, stoves, ...

**474****FIRE
RESISTANT
PU FOAM****MOUSSE PU**

For draught proofing and insulating.

For bonding many materials (concrete, metal, plastic). It insulate pipes, heat wastage is eliminated. Thermal and sound insulating. It is used for car bodies and ship hulls draught proofing. Cavity filling.

The foam expands up to 2 or 3 times its own volume.

Fire resistance.

**flexible****rigid****multipurpose**

blue

Aluminium grey

red

grey

grey

10 minutes

15 to 35 minutes

24 h

24 h

12 to 24 h

12 h

8 to 20 minutes

-65 to 250 °C

10 minutes

25 to 33

-65 to 250 °C

- 60 to 150°C

-40 to 1500 °C

-20 to 120°C

4 mm / 24h

> 15 MPa

Traction Din 53427 > 15 N/cm²

30 to 40

drying : 3 hours for 5 cm

5 mm

Up to 0.5 mm with activator 3140

5 to 15 mm

EDF, PMUC 16072 + French Army

PV CSTB RS 00-067

I 102 T3 Tube 100 g x12**I 145 T3** Tube 100 g x12**I 333 T2** Tube 50 ml x6**I 418 C3** Cart 310 ml x12**4474 A6** Spray 1000 ml x12**I 102 C3** Cartr: 310 ml x12**I 145 C3** Cartr: 310ml x12**I 333 E4** Syringe 25 ml x6**I 333 T4** Tube 200 ml x2**I 333 C3** Cartr: 300 ml x1



FLEXIBLE BONDING

Preserves the flexibility of the assembly.
Offers better resistance to vibration and shocks than with ridged adhesives.
Good resistance to thermic shocks.
Allows filling of larger gaps.
Resistance to temperatures up to 310°C.
Very good resistance to UV and climatic conditions.



101

INSULATING

LUBRISEAL BLANC

Flexible gasket.
 Bonding and sealing of metals, ceramic, glass, ...
 Insulation of electric wires and electrical appliances.
 Does not drip.

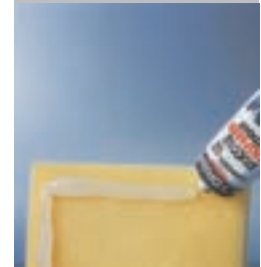


100

INSULATING

LUBRISEAL TRANSPARENT

Flexible gasket.
 Bonding and sealing of metal parts, glass, ceramics, expansion joints, wire casings...
 insulation of electrical wires and electrical appliances. Suitable for sealing large gaps. Has good resistance to variable gaps.
 Does not drip.



**What kind of joint ?
Application**

Do you need a silicone elastomer ?

**standard
acetic**

yes

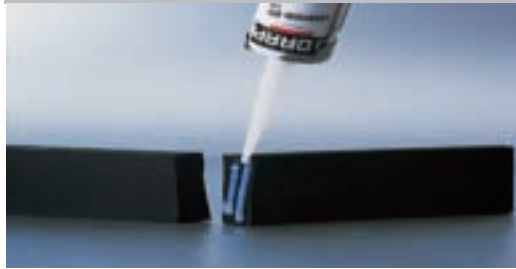
Colour	white	transparent
Film forming	10 minutes	10 minutes
Full drying	24 h	24 h
Operating temperature	-65 to 250 °C	-65 to 250 °C
Shore A hardness	25 to 33	25 to 33
Reticulated thickness / polymerization	4 mm / 24h	4 mm / 24h
Approvals	Food grade and SNJF label 1st category	Food grade and SNJF label 1st category EDF: PMUC 17108
REFERENCES / PACKAGING	1101 T3 Tube 100 g x12	1100 T3 Tube 100 g x12
	1101 C3 Cartridge 310 ml x12	1100 C3 Cartridge 310 ml x12

103**HIGH TEMPERATURES LUBRISEAL ROUGE****Flexible sealing and bonding.**

Maintenance, stove-building, glassworks (heating devices, household appliances, industrial ovens).
Remains flexible and stable up to 310° C.
Does not drip.

**110****111****112****INSULATING LUBRISEAL NEUTRE****Flexible self-adhering adhesive.**

Adheres to various surfaces: aluminium, cast-iron, glass, PVC, ABS, concrete, wood...).
Does not corrode surfaces.
Excellent resistance to oils, humidity.
Specially suitable for the bonding of electric boxes, headlights...
Does not drip.

**125****HIGH PERFORMANCE BONDING ORABOND****For bonding, assembling, sealing everything.**

New generation elastic putty-adhesive.
Excellent adhesion to stainless steel, aluminium, wood, zinc, lacquer, stone, glass wool, chipboard, ...
Can be applied to humid surfaces and surfaces totally immersed under water: **Can be painted.**
Odourless.

ORABOND CRISTAL : I28**120****MULTI-MATERIALS ADHESIVE SEAL PU**

One-component polyurethane elastomer adhesive for general purpose. Cures at ambient temperature.

Used for the bonding (and the sealing) of a wide variety of materials, wood, glass, plastics, cement ...
Specially formulated for uses when a good gasket flexibility is required.
Can be painted.
Odourless.

**high temperatures acetic****multipurpose neutral****new-generation elastomer****polyurethane****yes****no**

red

transparent / white / black

white

grey

10 minutes

15 to 20 minutes

10 minutes

10 minutes

24 h

24 h

24 h

24 h

-65 to 310 °C

-65 to 230 °C

-40 to 160 °C

-80 to 80 °C

25 to 33

15 to 25

40

15 to 25

4 mm / 24h

4 mm / 24h

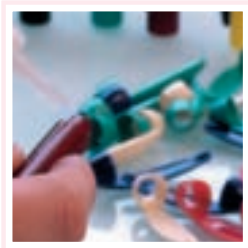
2 mm / 24 h

1,5 mm / 24 h

Food grade and SNJF label
1st category

Food contact

I 103 T3 Tube 100 g x12**I 110 C3** Transparent Cartridge 310 ml x12**I 125 C6** Cart 290 ml x12**I 120 C3** Cart 310 ml x12**I 103 C3** Cart 310 ml x12**I 111 C3** White Cartridge 310 ml x12**I 112 C3** Black Cartridge 310 ml x12**ORABOND CRISTAL I28****I 128 C6** Cart 290 ml x12



INSTANT ADHESIVES

**REPAIRING - BONDING
DECORATING**

ORAPI offers a comprehensive but logical range of adhesives, which bond within seconds. These adhesives achieve a clean, strong and aesthetic bond with a high value tensile strength. Our multipurpose adhesives generally give a cohesive breakaway of materials during tensile strength tests.



354

**GENERAL
PURPOSE GLUE**

C 2000

General purpose, fast curing adhesive. Excellent resistance to wood, glass, plastics, rubber, ...



373

**MULTIPURPOSE
GLUE**

C3000

Cyanoacrylate adhesive with ultra-rapid setting for all materials. **High resistance on wood, plastic, leather, PVC, ceramic, ...** Ideal for difficult surfaces.



What do you want to bond ?

everything

**pvc,
plastics...**

Colour	colourless	colourless
Viscosity	80 - 120 cP	80 - 120 cP
Operating temperature	-60 to 100°C	-60 to 100°C
Setting	5 to 40'' depending on surfaces	3 to 30'' depending on surfaces
Shear strength	27,5 MPa	27,5 MPa
Maximum gap	0,1 mm	0,1 mm
REFERENCES / PACKAGING	I354 F1 Flask 5 g x12	I373 F2 Flask 20 g x6
	I354 F2 Flask 20 g x12	I373 F3 Flask 50 g x6
	I354 F3 Flask 50 g x6	I373 F6 Flask 500 g x1

355**SEAL GLUE****C2040**

Quick setting adhesive for the bonding of rubber seals, various plastics and glass.

Good resistance to humidity.
Silicone bonding after surface preparation with 021

**021****IMPROVES ADHESION PRIMAIRE****3450**

Improves adhesion of "difficult to bond" surfaces (PE, PP, Silicone,...)

Apply PRIMAIRE 3450 to both surfaces. Allow the product to evaporate by rubbing both surfaces one against the other.

**352****CATEGORY****SUPER GEL**

Quick setting very thick gel-adhesive.

Suitable for all applications requiring a viscous product.
Multi-materials.
Does not drip.

**025****REDUCES THE SETTING TIME ACTIVATEUR****6140**

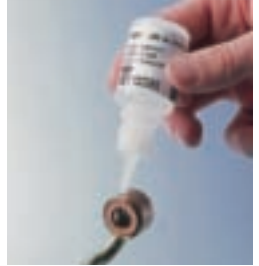
One application to surfaces before bonding highly reduces the setting time of cyanoacrylate adhesives.

Provides a curing in thickness.
Colourless liquid with quick evaporation.

**408****CLEANING DEBONDING DECOLLEUR****3720**

Cleaning solvent for machinery soiled by cyanoacrylate adhesives.

Debonding of assemblies. Used by dipping. Transparent liquid to be used in a well ventilated area.

**rubber****silicone****vertical bonding****quicker bonding****parts cleaning**

colourless

light orange

colourless

colourless

transparent

20 - 40 cP

liquid

gel

liquid

liquid

-60 to 100°C

-60 to 100°C

20 to 40" depending on surfaces

3 to 30"

27,5 MPa

30 MPa

0,1 mm

0,2 mm

I355 F1 Flask 5 g x12**I021 F2** Flask 20 g x6**I352 C3** Cart.300g x12**I025 F2** Flask 20 ml x6**I408 F2** Flask 20 g x6**I355 F2** Flask 20 g x6**I352 T7** Tube 20 g x6**I025 i2** Can 1 L x1**I355 F3** Flask 50 g x6



STRUCTURAL BONDING

Thanks to the constant development of organic chemistry within ORAPI group, assembling by adhesion is nowadays a reliable and widely used technique in all industries: aviation, building industry, car industry, medicine,...

ORAPI adhesives are resistant to usual solvents and offer outstanding adhesion and resistance characteristics. Thanks to their reliability, usual fastenings means (screws, welds, rivets, ...) become obsolete.



400

MULTIPURPOSE CONTACT ADHESIVE NEOPRENE

Immediate setting on rubbers, leathers, fabric, cork, metals, laminated materials.
Flexible, high-performance. Excellent resistance to humidity.
Double bonding application (150 ml/m² and by surface).
Lay-out, decoration, building, ...



123

BI-COMPONENT POLYURETHANE ADHESIVE COLLE PU

Ideal for the assembly of polyesters to themselves or to a metal surface.
Bonding of aluminium composites, honeycombs, metals and plastic structures.



What kind of adhesive are you looking for ?

multipurpose

multipurpose

Colour	amber	light grey
Setting time	5 to 10 minutes	10 minutes
Maximum operating temperature	- 30 to 130 °C	-40 to 100 °C
Final strength	24 h	1 h
Shear strength	Peeling: 15 kg/cm ²	
Qualification		
REFERENCES / PACKAGING	I 400 T3 Tube 100 ml x12	I 123 E3 Syringe 50 ml x6
	I 400 B7 Tin 1 L x6	
	I 400 S1 Pail 5 L x2	

391**HIGH PERFORMANCE GLUE****ORALOC HDI****Acrylic glue bi - composite. Wood, steel, ceramic, PMMA...**

Highly resistant to impacts and vibrations.
Prevent from corrosion.
High resistance from hydrocarbon oil, cold and hot water, steam, industrial gas and fluids.
Excellent stability after years, flexible
Apply on clean and dry surfaces.

NEW**201****SEMI-QUICK EPOXY****OREPOX 30****Fluid epoxy resin with semi-quick setting.**
Repair and rigid bonding of large surfaces.**202****QUICK EPOXY****OREPOX 5****Fluid epoxy resin with quick setting.**

Repair and rigid bonding of most materials: ceramic, wood, cement, rubber, metal, ...
Quick bonding of lightly or badly adjusted parts with large or variable gap.

210**212****EPOXY PASTE****ORAMETAL A STEEL FILLED**

Epoxy resin for bonding, repairing, filling in and plugging.
Repair of piping, housings, steel sheets, ...
Once the product has cured, it can be filed, bored, tapped, painted.
Does not rust.

Orametel F / Alu 212
The aluminium filling combines lightness and resistance to corrosion.**221****STEEL-FILLED PREPROPORTIONED PUTTY ORAMETAL POCKET**

Repairing putty for all surfaces.
Preproportioned, it is very easy to use and prevents all wastes.
Does not rust and can be used under water.

**high performance****multipurpose****steel / aluminium**

green and pink

light yellow

light yellow

210 dark grey / 212 alu

dark grey

5 to 10 minutes

30 to 45'

202 3 to 5

20 / 30 minutes

approximately 10 minutes

- 40 to 120°C

40 to 120 °C

40 to 120 °C

-40 to 120 °C

-40 to 200 °C

1 h

201-24 h**202**-6 to 12 h

24 h

24 h

steel traction : 150 kg/cm²

15 MPa

15 MPa

VALEO : 2545646

I391 E1 Syringe 28 gr x6**I201 E3** Syringe 50 ml x6**I202 E1** Syringe 28 g x12**ORAMETAL A / 210****I221 D3** Stick 57 g x12**I201 K7** Kit 1 kg x 1**I202 E3** Syringe 50 ml x6**I210 E1** Syringe 28 g x12**I221 D2** Stick 125 g x12**I210 K3** Kit 500 g x1**ORAMETAL F / 212****I212 E1** Syringe 28 g x12**I212 K3** Kit 540 g x1



PAINTS

ORAPI offers you high technology paints in order to protect your materials and your machines. ORAPI paints allow to save time and money, reducing working costs. They prevent the best protection in a few minutes.

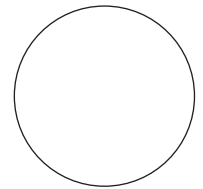


3000 ...

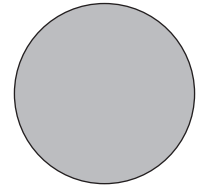
ANTI-RUST PAINT

CODEROUIL

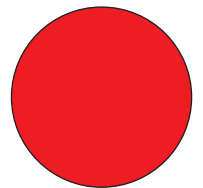
Designed to paint directly on rusted and dumped metal. Good grip on non steeling metal, wood and old nails. CODEROUIL is remarkable for his anti-corrosion action. No more sanding, scratching, no stinging or other preparation of surfaces; that makes you save time and money. Covering power : 18 to 22m² for 1 Kg. Field of use : building, pre-glossed, metal sheet, gates, railings, tool machines, displaceable tools, canalisations, frames.



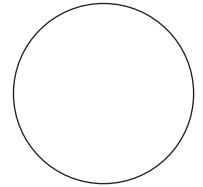
BLANC 9010



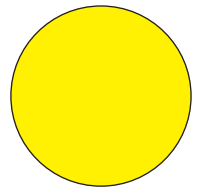
GRIS 7042



ROUGE 3020



NOIR 9017



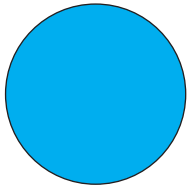
JAUNE 1023

What kind of protection ?

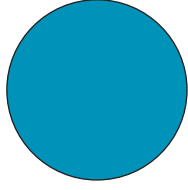
anti-rust

Colour

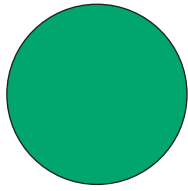
REFERENCES / PACKAGING	300001 9010 Spray 520 ml x6	300002 9010 Tin 1 kg x6
	300004 3020 Spray 520 ml x6	300005 3020 Tin 1 kg x6
	300007 1023 Spray 520 ml x6	300008 1023 Tin 1 kg x6
	300016 5017 Spray 520 ml x6	300017 5017 Tin 1 kg x6
	300019 2009 Spray 520 ml x6	300020 2009 Tin 1 kg x6
	300022 7042 Spray 520 ml x6	300023 7042 Tin 1 kg x6
	300025 9017 Spray 520 ml x6	300026 9017 Tin 1 kg x6
	300073 5012 Spray 520 ml x6	300029 5012 Tin 1 kg x6
	300000 6005 Spray 520 ml x6	300076 6005 Tin 1 kg x6
	300086 7035 Spray 520 ml x6	300087 7035 Tin 1 kg x6



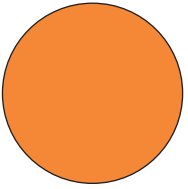
BLEU 5012



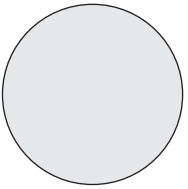
BLEU 5017



VERT 6005



ORANGE 2009

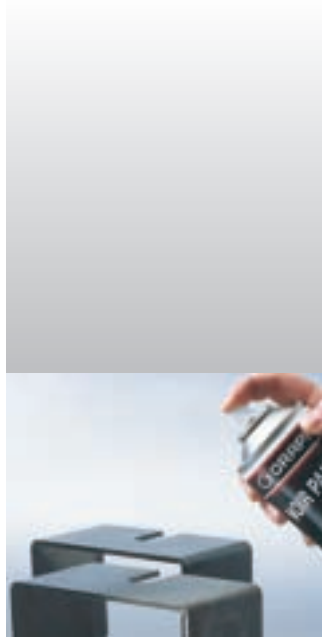


GRIS 7035

710

**BLACK
HIGH
TEMPERATURE
NOIR PAINT**

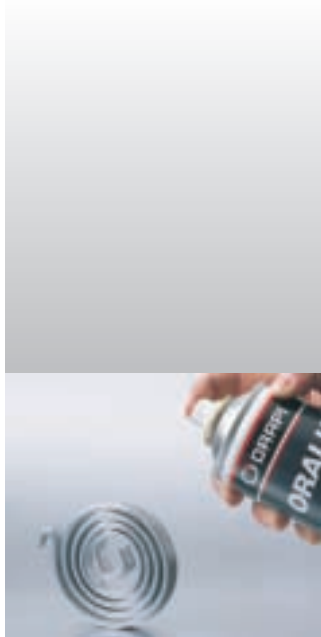
Black paint for high temperature application.
Retouching and protecting all parts subjected to high temperature. Prevent from corrosion.
Can be used on all ferrous metals.
-30°C to 600°C.



712

**ALU
HIGH
TEMPERATURE
ORALU**

Gloss paint based on aluminium **for surfaces treatment and protection from corrosion.**
Suitable for high temperature use : +600°C. Applied on parts working outdoor and require protection from corrosion.
Bright surface appearance.



901 909

**LINES
MARKING**

FAST LINE

Paint providing high resistance to abrasion and high covering power for the marking of traffic and safety lines on all surfaces (tarmac, asphalt, cement, paint, wood, grass). Environmentally friendly.

Lead- and chlorine-free. Makes application easier thanks to its large-size aerosol packaging (economical). Marks 100 to 120 meters in a 5 cm width on cement floors. For other colours, please contact us.

MARKING TROLLEY 915 :
Provides easy marking of straight lines with FAST LINE. Very easy to handle.

Very easy system with quick assembling, good marking visibility. See page 43



anti-rust

high temperatures

**lines
marking**

black

silvery

yellow (901) and white (909)

300003 9010 Pail 5 kg x4

4710 A4 Spray 650 ml x12

4712 A4 Spray 650 ml x12

8901 A4 Spray 650 ml x12

300006 3020 Pail 5 kg x4

8909 A4 Spray 650 ml x12

300009 1023 Pail 5 kg x4

8915 V1 Trolley 2 wheels x1

300018 5017 Pail 5 kg x4

8915 V3 Trolley 2 wheels x1

300021 2009 Pail 5 kg x4

300024 7042 Pail 5 kg x4

300027 9017 Pail 5 kg x4

300030 5012 Pail 5 kg x4

300074 6005 Pail 5 kg x4

300088 7035 Pail 5 kg x4



PROTECTION

The presence of rust on machinery means high maintenance costs, therefore protection against corrosion damage is essential to efficient running. On new or already corroded surfaces Orapi products stop the progression of rust and provide a barrier against corrosion on: machined parts, stored parts and materials, tanks ,pipes, frameworks etc.



804

MEDIUM TERM PROTECTION

PROTOR SG 100

Anti-corrosion protection product forming a red semi-greasy film for the storage protection of tools dies and moulds and stored finished parts.

Self-repairing film in case of handling scratches. Also available colourless. Use by spraying, brushing or dipping.



714

STORAGE PROTECTION

SR 05

A coloured varnish for long lasting protection giving a Dry and resistant film.

Can be handled immediately. Does not attract dust.

Can be applied to metal parts.

Protects stored parts from extreme weather.

Can be removed with Orapi NDI 507



Protection quality

medium-term

long-lasting

What kind of protection do you want ?

semi-greasy

varnish

Colour

red

red

Resistance to saline fog

> 100 h

> 250 h

Approvals

Conforms to the MIL C 81 309 E3 standard. ISO – L 6743/8: REE Cat.

REFERENCES / PACKAGING

4804 A4 Spray 650 ml x12

4714 A4 Spray 650 ml x12

2804 J1 Jerry-can 5 L x4

2714 J1 Jerry-can 5 L x1

699

COLD GALVANISING GALVA EXPRESS

Touching-up of parts after hot Galvanising.
Protects against corrosion.
Extreme shine.
Optimal adhesion.

706

COLD GALVANISING NZA BRILLANT

Protection of metal parts.
Touching-up of galvanized parts.
High protection.
Long-lasting treatment for all metal parts.

650

COLD GALVANISING NZA MAT

Anti-rust. Contains 99 % zinc.
Applications : rails, motorway barriers, welding bead joints, galvanised parts, cold galvanisation. - 80°C to +350°C.
Can be used for primer undercoats.
Matt grey colour.

954

RUST-STOP BLOC' ROUILLE

Powerful rust converter.
Combines with rust to form a black, hard and metal-adhering compound. Can be painted without preliminary cleaning. Formulated as anti-rust protection in transport, navy, mechanics, mecano-welding.
Treated parts can be subjected again to bad weather, they will be protected.
Acknowledged by cars manufacturers.

953

BELTS ADHESION ADHÉRENT COURROIES

Increases Drive belt adhesion up to three times eliminating power losses through belt slip
Prevents belts hardening. Use for leather, canvas rubber composites.

99%
PUR ZINC

99%
PUR ZINC



special for touching-up

high resistance

converter

belts adhesion

cold and shiny/mat galvanising

anti-rust treatment

shiny aluminium
250 h

shiny metal
400 h

mett metal
400 h

white / black after drying

Conforms to ISO 9227
ASTM BI 17.02

Conforms to ISO 9227
ASTM BI 17.02

4699 A4 Spray 650 ml x12 **4706 A4** Spray 650 ml x12 **4650 A4** Aero 650 ml x12 **2954 R2** Flask 250 ml x12 **4953 A4** Spray 650 ml
2954 J1 Jerry-can 5 kg x1 x12



WELDING FLAWS DETECTION

**Protection of welding equipment
and welded assemblies.
Checking the effectiveness of welds.**



807

WELDING ANTI-ADHESION ANTIPERL SOUDURE

Special product for parts protection.
**Anti-adhesion of welding
spatter for nozzles, gauges
and assemblies.**

Can be used for small parts or in
semi-automatic welding.

808

ENVIRONMENTALLY FRIENDLY ANTI-ADHESION ANTIPERL ECO

**Environment friendly anti-
adhesion product for welding
chips. Solvent-free.**

White emulsion. Used on steel and
stainless surfaces in order to protect
them against weld spatter.
Environment-friendly and
economical.

Applied by spraying or brushing.
Approved for use in nuclear plants.



Application

aqueous base

welding anti-adhesion

What do you do ?

welding

Colour	colourless	ivory colour
Temperature	-30 to 280 °C	- 50 to + 230°C
Approvals		Approved by EDF PMUC 2206 I

REFERENCES / PACKAGING

4807 A4 Spray 650 ml x12

4808A4 Spray 650 ml x12

2808 J1 Jerry-can 5 L x4

2808 OI Small cask 20 L x1

2808 O5 Small cask 60 L x1

2808 U2 Cask 200 L x1

708

NOZZLES PROTECTION

CERASPRAY

Special product based on ceramic for thermic protection of welding nozzles, in automatic and semi-automatic welding.

Forms a film which prevents nozzles from overheating and splitting up. Specially recommended to protect ceramic torches. Excellent anti-adhesion agent for high temperature mould releases (e.g. tin mould release).



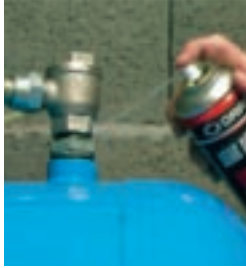
952

LEAK DETECTOR

LEAK DETECTOR

Formulated for the detection of gas or compressed air leaks on connections or gates.

Instant leak detection by foaming. Contains a corrosion inhibitor which prevents oxidation of metals or connections.



503

DRY SOLVENT

KLEANER

Allows surface preparation prior to cracks detection.



957

PENETRATING

CRACK DETECTOR

Penetrating product for the detection of cracks, micro-fissures, porosities after welding, casting, and safety detector.

Wipe parts after coating them with the product. Fissures or cracks appear in red when the 956 white revealing agent is applied.



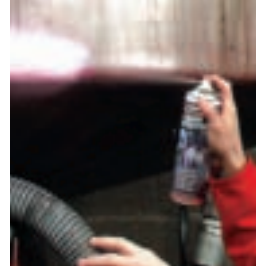
956

REVEALING

CRACK DETECTOR

Apply after the 957 red penetrating product. Coat all the parts to be checked with the white revealing agent.

Cracks appear in red on a white background.



nozzles protection

gas leaks

cracks, fissures

welding

control, detection

dry film : white

red

white

1600 °C

Conforms to : MIL I 25 I 35 E
ASME - 6 - T64
RCCM FG 223 - 3
FRAMATOME ISO 44

Conforms to MIL I 25 I 35 E
ASME -6T - 64
RCCM F 6424 - 3
FRAMATOME ISO 44

4708 A4 Spray 650 ml x12

4952 A4 Spray 650 ml x12

4503 A4 Spray 650 ml x12

4957 A4 Spray 650 ml x12

4956 A4 Spray 650 ml x12

2952 J1 Jerry-can 5 L x4



GENERAL MECHANICS

Proper lubrication and cooling are essential for efficient machining and to extend the working life of expensive tooling. Whatever the operation, Orapi has the solution.



852

MULTIPURPOSE ORACOUP 252

Chlorine-free micro-emulsion for machining all ferrous metals and white alloys.
Multipurpose product.
Excellent microbial stability.
Easy to emulsify.
Can be used for grinding.
Dilution rate: 3 to 6 % in water.
Recommended dilution rate for grinding: 2 to 3 %
To disinfect baths before emptying them, use ORACOUP 92, 857, at 2%.

859

TAPPING, BORING, SAWING FILDUC 1879

Heavy duty cutting oil.
Outstanding adhesion to taps and drills.
Excellent for difficult tapping with blind or open holes on all steels and stainless steels.



What kind of lubricant ?

soluble oil

whole oil

What operation would you like to undertake ?

Machining / boring / tapping

Colour	amber	amber
Drying		
Temperature		
pH at 5%	9 to 10	
Viscosity at 40°C	35 cSt	150 cSt
REFERENCES / PACKAGING	2852 JI Jerry-can 5 L x4	4859 A4 Spray 650 ml x12
	2852 OI Small cask 20 L x1	2859 RI Oilcan 125 ml x12
	2852 U2 Cask 200 L x1	2859 R3 Oilcan 500 ml x12
	ORACOUP 92 / 857	2859 JI Jerry-can 5 L x4
	2857 JI Jerry-can 5 kg x1	



MATERIALS

**Thanks to our materials, use and application of ORAPI products become :
Easy - Precise - Clean - Quick - Economical.**



700050

PARTS WASHER

The parts washer can be used with solvents (like 511 or 541).
Avoid evaporation waste.
Allow water's parts decantation, keeping clean solvent for longer.
Increase cleaning action by a paint brush with a pumped solvent.
Assure solvent recuperation when parts are drained.
Designed to be directly fitted on a 200 liters barrel.



700057

SUPPORT

Adaptable fixed frame. Allows to install a parts cleaner on a 60 liters barrel.



700050 Electric washer x1

700057 Support x1

700051 Pneumatic washer x1

700053 Electric pump x1

700055 Pneumatic pump x1

915

MARKING TROLLEY

Provides easy marking of straight lines with FAST LINE.
Very easy to handle.
Very easy system with quick assembling, good marking visibility.
Parkings – warehouses – playgrounds.



700000

EPOXY GUN

Gun and self-mixing nozzles designed for 50 ml twin pack syringes (1/1).
Easy to use.
Permits correct measuring and easy application.

700002

SILICONE GUN

Designed for use with all our silicone 310 ml cartridges: Lubriseal, Seal PU 120, Orabond 125, and also Super Gel 452, Porajoint 333.

8915V1 Trolley 2 wheels x1

700000 Epoxy gun x1

700002 Silicone gun x1

8915V3 Trolley 4 wheels x1

700001 Nozzles x6



OFFICE AUTOMATION COMPUTERS ELECTRONICS

Electronic equipment and computers are an essential part of everyday life in both office and factory workshops. Orapi introduce a simple but very effective range of products to help clean and protect this valuable equipment.



508

CLEANING SOLVENT FOR ELECTRONIC A 90H

High safety, can be used on equipment under voltage.
Cleaning of precision electronic equipment.
Relays, heaters, electric motors, radars equipment, computers reading heads, phones, TV, hi-fi equipment. Does not stain, high evaporation speed.
Non-flammable
Quicker evaporating.



501

CLEANER FOR ELECTRIC CONTACTS NET'DEX

Use by spraying to clean and deoxidise electrical contacts.
Not hazardous to appliances.
Excellent degreasing cleaner for all electro-mechanisms
NOT under voltage



What do you want to do ?

Clean contacts under voltage

To improve electric contacts

Colour

Temperature

REFERENCES / PACKAGING

4508 A4 Spray 650 ml x12

4501 A1 Spray 210 ml x12

4501 A4 Spray 650 ml x12

950

ECOLOGICAL DRY GAS

SOUFFLEUR

100 % ecological dust-removing aerosol. Suitable for printers, keyboards, optic readers, photos, videos, reprography, mechanical parts, ...

This mini-compressor allows dry cleaning.

Drying of all electro-mechanical appliances. Leaves perfectly dry parts after use.

Non-flammable.



MULTI POSITIONS

high performance

477

UNIVERSAL REPOSITIONABLE

COLLE SPRAY

Immediate adhesion. **Bonding of light materials (photos, films, cork, ...).**

One aerosol can bond 7 m².

Placards and labels can be repositioned anytime.



951

COLD COOLER

GIVREUR

Computers: cools overheated microprocessors and equipment. Enables to detect breakdowns on printed circuits.

Intense cold generator: -65° C

Can be used in mechanics to retract parts and to allow cold fitted assemblings.

Non-flammable.



MULTI POSITIONS

to generate cold

502

CLEANER FOR WINDOW SURFACES

NET'ECRAN

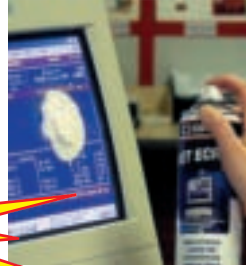
Antistatic cleaner.

For screens, window surfaces, office automation, computers screen, copiers windows, overhead projectors, ...

Can be quickly wiped after spraying.

Switch-on equipment again after drying.

Equipment screens become perfectly clean.



to clean screens

715

INSULATING VARNISH

VERTRO

Insulating varnish which is resistant to aggressive atmospheres, hydrocarbons, humidity, saline fog, ...

Protection of parts, documents, printed circuits, electronic assemblies. suitable for the protection of household appliances.

Dielectric constant 100 Kv/mm -40° to 140° C.



to plasticize

transparent

-30 to 80°C

transparent

-40 to 140°C

4950 A4 Spray 650 ml x12 **1477 A4** Spray 650 ml x12 **4951 A4** Spray 650 ml x12 **4502 A1** Spray 210 ml x12 **4715 A4** Spray 650 ml x12

4502 A4 Spray 650 ml x12

500

DLDR

Powerful anti-static foaming cleaner : screens, photocopiers...

4500 A4 Spray 650 ml x12



HYGIENE HANDCARE

Hands are your most important tool. Take care of them! Every day! Orapi soaps are mild and leave pleasant fruity fragrance on your hands. They remove encrusted dirt, are biodegradable and environmentally friendly. They are antiseptic and offer protection for your hands. NEW Impregnated wipes, water and soap free, ideal for remote hygienic handcare. Service engineers, telephone engineers etc.

NEW



575

IMPREGNATED WIPES ULTRA CLEAN

Non woven wipes, impregnated with an effective general purpose cleansing solution.

Easily removes oil, tar, fresh paint, ink, grass stains as well as unpleasant odors, leaving a delicate citrus scent.

For use without soap and water.

Hypoallergenic.



580

CITRUS FRUITS ORANGE CREME

Cleans hands and leaves a fresh citrus-fruits fragrance. Contains refined pumice for deep cleaning.

Contains effective and non toxic cleaning agents which remove greases, dirt, ink, paint, rust, asphalt.

ORANGE CREME contains lanolin and vitamin E to moisturize and treat chapped hands.

100 % biodegradable



574

WATER-FREE CLEANER CAPRI 50

Mild to the hands. Can be used with or without water, leaves hands soft and fresh.

Its penetrating action removes grease and dirt from pores and nails.

CAPRI 50 removes grease dirt, inks, paints and fresh varnish, tar; adhesives, rust...

Apply with a damp cloth to clean and polish leather vinyl, porcelain surfaces, painted walls, bare wood, ...



What kind of dirt ?

oils, greases, dirty oils, inks, paints...

What kind of cleaner do you want ?

wipes

cream

gel

Colour

orange

orange

white

REFERENCE /

5575 S8 Pail 85 wipes x6

5580 J4 Jerry-can 3,8 L x1

5574 B6 Tin 400 g x12

CONDITIONNEMENT

5575 S8 Pail 85 wipes x12

5575 S8 Pail 85 wipes x24

ORAPI®

ENGINEERED SOLUTIONS WORLDWIDE



ORAPI®
ENGINEERED SOLUTIONS WORLDWIDE

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