



PRODUCT BROCHURE  
*Creating Lubricants with Industry*



## HISTORY OF ROCOL

ROCOL has been creating lubricants with industry since the late 1870's when the Ragosine Oil Company pioneered the development and manufacture of performance lubricants from conventional mineral oils. Throughout its history the company has continued to build and enhance its reputation through the performance of its products.

Throughout industry ROCOL products are specified and used with the confidence achieved through years of providing products that perform to the highest levels. Today the ROCOL brand stands for superior performance, technical innovation and the highest standards of quality and reliability, values which have been achieved through years and years of unswerving attention to detail in the design and manufacture of products.



In the early part of the 20th century the great ships of the oceans were rightly acclaimed as the engineering achievement of the time. ROCOL provided the specialised lubricants that redefined the performance and reliability of much of the mechanical equipment essential to keeping these ships afloat. ROCOL played an equally important role in keeping the early aeroplanes in the sky through the development of revolutionary lubricants containing molybdenum disulphide. As manufacturing developed, there has been a need to provide lubricants to meet industry's even greater demands. This has led to the development of products now designed for the most arduous working conditions in a wide range of industrial applications.

Internationally well known companies such as Unilever, Nestle, Black & Decker, General Motors, Du Pont, Coca Cola, Rolls Royce, Lucas, Toyota, British Aerospace, Rockwell, Airbus, Ministries of Defence, British Oxygen, Dunlop, Agip, FMC, VME (Volvo Michelin Euclid), JCB, ICI, Ford, Hughs Tools, Metal Box, Monsanto, Ciba Geigy, to name a few, are all companies or organisations that have benefited from the use of ROCOL Speciality Lubricants.

The development and diversification of the ROCOL group over its long history have been a result of the quality of its people, product and partners. The reputation, performance and reliability of ROCOL products, with their millions of users world-wide, is clearly the source of the Company's strength and ROCOL will continue Creating Lubricants with Industry.

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# MAINTENANCE PRODUCTS

## SAPPHIRE BEARING GREASES

The Rocol SAPHIRE bearing grease range will provide effective long term lubrication and meet the ever increasing needs of today's production environment.

There are 13 key greases under the SAPHIRE banner designed to encompass the widest possible range of industrial operating conditions. SAPHIRE bearing greases provide industry with an easily identifiable range of high performance lubricants, which have been developed to extend bearing life, provide superior corrosion protection and to be suitable for all bearing types.



### SAPPHIRE 2

"SAPPHIRE 2 lasts 3 times longer than conventional multi-purpose bearing greases." This revolutionary high performance multi-purpose, multi-complex soap grease has excellent load carrying capability and corrosion resistant properties and will significantly extend relubrication intervals. Temperature range -30°C to +150°C. NLGI 2. The blue colour enables easy identification in use.

Part Code	Unit Size
12171	400g
12176	5kg
12175	18kg
12178	50kg
12179	185kg

### SAPPHIRE 1

SAPPHIRE 1 has all of the performance characteristics of SAPPHIRE 2 and is recommended for remote lubrication or long pipe run applications. Temperature range -30°C to +150°C. NLGI 1.

Part Code	Unit Size
12601	400g
12604	Autolube
12606	5kg
12614	18kg
12608	50kg
12609	185kg
12710	Unilube

### SAPPHIRE 000

SAPPHIRE 000 is recommended and approved for use in centralised lubrication systems and for grease filled gearboxes. Temperature range -30°C to 100°C. NLGI 000.

Part Code	Unit Size
12276	5kg
12284	18kg

### SAPPHIRE AQUA 2

A soap thickened bearing grease designed to give excellent resistance to water washout. SAPPHIRE AQUA 2 will provide exceptional corrosion protection and long term lubrication for bearings that are operating in water or subjected to continual washing by water. Temperature range -20°C to +150°C. NLGI 2.

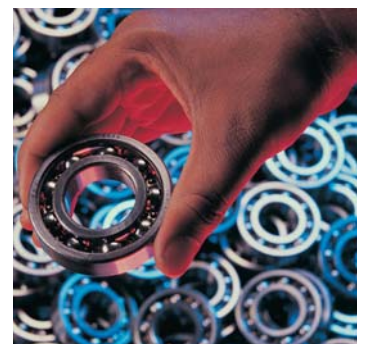
Part Code	Unit Size
12751	380g
12755	4kg
12754	18kg
12758	50kg

### SAPPHIRE AQUA-SIL

A silicone grease with excellent high temperature resistance. UK Water Byelaws Scheme approved for use with potable water. Good resistance to chemicals, oils, water and gases. Does not affect most rubbers and plastics. SAPPHIRE AQUA-SIL is recommended for long term lubrication of bearings, slides and valves operating in extremes of temperature where contamination by chemicals, oil or potable water is possible. Temperature range -40°C to +200°C. NLGI 3/4.



Part Code	Unit Size
12251	85g
12253	500g
12256	5kg



# SAPPHIRE BEARING GREASES

## SAPPHIRE AQUA-SIL HI-LOAD

A high load silicone grease which contains molybdenum disulphide. UK Water Byelaws Scheme approved for use with potable water. Excellent high temperature resistance. SAPPHIRE AQUA-SIL HI-LOAD is recommended for the lubrication of bearings, slides and valves operating under heavy loads and in aggressive environments. Temperature range -40°C to +200°C (Short periods +220°C). NLGI 3/4.



Part Code	Unit Size
12263	500g
12266	5kg
12268	50kg

## SAPPHIRE ENDURE

A perfluorinated polyether (PFPE) grease, thickened with PTFE. Provides long term lubrication of bearings, slides, small gears, chains and valves operating in aggressive environments such as high temperatures, or where contamination by chemicals or solvents is possible. Temperature range: -25°C to +280°C. NLGI 2.

Part Code	Unit Size
12330	100g
12331	700g
12334	1kg
12336	5kg

## SAPPHIRE EXTREME

A semi-synthetic grease containing molybdenum disulphide which provides excellent resistance to high temperature, heavy loading and vibration. SAPPHIRE EXTREME is suitable for both plain and antifriction bearings. Temperature range -10°C to +235°C (intermittent temperatures to +250°C). NLGI 2/3.

Part Code	Unit Size
12211	400g
12216	5kg
12214	18kg
12218	50kg

## SAPPHIRE HI-LOAD 2

A multi complex soap thickened grease formulated to provide protection against heavy loads and vibration. SAPPHIRE HI-LOAD 2 contains molybdenum disulphide and will extend relubrication intervals. Suitable for all bearing types. Temperature range -30°C to +150°C. NLGI 2.

Part Code	Unit Size
12761	400g
12765	5kg
12764	18kg

## SAPPHIRE HI-PRESSURE

A clay thickened grease containing a high level of molybdenum disulphide suitable for the lubrication of plain bearings operating under heavy loading. SAPPHIRE HI-PRESSURE will reduce wear and offers excellent corrosion protection. Temperature range -20°C to +150°C. NLGI 2.

Part Code	Unit Size
12011	400g
12013	500g
12016	5kg
12024	18kg
12018	50kg

## SAPPHIRE HI-SPEED

A unique synthetic based soap grease which extends the boundaries of high speed greases. SAPPHIRE HI-SPEED has a maximum speed rating of  $1.25 \times 10^6$  DmN coupled with excellent load carrying capacity and is recommended for use on machine tool spindles, textile spinning machines, aerospace and other high speed bearing applications. Temperature range -40°C to +120°C. NLGI 2.

Part Code	Unit Size
12051	380g
12056	4.5kg



# SAPPHIRE BEARING GREASES

## SAPPHIRE PREMIER

A premium performance multi-purpose bearing grease for use in arduous applications. Fortified with PTFE, SAPPHIRE PREMIER provides excellent lubrication where good load carrying at elevated temperatures in high speed bearings is required. For example electrical motors and fan bearings. Temperature range -50°C to +200°C. NLGI 2.

Part Code	Unit Size
12810	Unilube
12471	380g
12475	4kg
12474	18kg
12479	170kg

## SAPPHIRE LO-TEMP 2

A semi-synthetic multi complex soap grease developed to provide low start up and running torques at temperatures as low as -50°C. SAPPHIRE LO-TEMP 2 offers high resistance to load and wear and is recommended for use with plain or antifriction bearings. Temperature range -50°C to +120°C. NLGI 2.

Part Code	Unit Size
12741	400g
12745	4.5kg
12744	18kg

## METHODS OF APPLICATION

In addition to the conventional packaging SAPPHIRE multi purpose grease is available in 3 distinctive applicators.



### SAPPHIRE SPRAY GREASE

- Aerosol applied where conventional application methods are prohibitive

Part Code	Unit Size
34305	Aerosol

### SAPPHIRE AUTOLUBE

- Electromechanical
- Single point automatic lubricator
- Simple to install
- Up to 3 years grease supply
- Consistent delivery
- Replaceable grease cartridges

Part Code	Unit Size
12604	Complete 120ml
12600	Refill 120ml

### SAPPHIRE 1 UNILUBE

- Gas generated automatic lubricator
- Operates in any position - even under water
- Intrinsically safe
- Contains SAPPHIRE 1 Triple Life Bearing grease

Part Code	Unit Size
12710	100ml

### SAPPHIRE PREMIER UNILUBE

- Gas generated automatic lubricator
- Up to 12 months automatic lubrication
- Suitable for higher speed and temperature applications
- Contains SAPPHIRE Premier

Part Code	Unit Size
12810	100ml

### SAPPHIRE CARTRIDGE GUN

- High pressure grease gun for use with the standard ROCOL grease cartridge

Part Code	Unit Size
38111	-

### SAPPHIRE KEG PUMP

- Lever action keg pump for use with the standard ROCOL 18kg grease pail

Part Code	Unit Size
38110	-



# BEARING GREASE SELECTION CHART

The choice of grease will depend upon a number of factors, including the application, operating conditions and the environment.

Product selection is simplified with the comprehensive ROCOL SAPPHIRE range and together we are committed to providing you with the correct choice of lubricant to maximise operating efficiency, even in the harshest environments.

	TEMPERATURE RANGE	NLGI	HIGH SPEED	LIGHT DUTY	HIGH LOAD	FOOD	WATER	VIBRATION	CHEMICAL CONTACT	PLAIN BEARING	ANTI-FRICTION BEARING	MULTI PURPOSE	POTABLE WATER
FOODLUBE ENDURE 00	-25°C to +280°C				*	*	*		DIRECT	*	*		
FOODLUBE HI-TEMP	-20°C to +200°C	2				*	*		TRACE	*	*		
FOODLUBE UNIVERSAL 0	-50°C to +160°C	0			*	*	*			*	*	*	
FOODLUBE UNIVERSAL 2	-50°C to +160°C	2			*	*	*			*	*	*	
FOODLUBE UNIVERSAL 000	-50°C to +160°C	000			*	*	*			*	*		
SAPPHIRE 000	-30°C to +100°C	000			*					*	*		
SAPPHIRE 1	-30°C to +150°C	1			*					*	*	*	
SAPPHIRE 2	-30°C to +150°C	2			*					*	*	*	
SAPPHIRE AQUA 2	-20°C to +150°C	2					*			*	*	*	
SAPPHIRE AQUA SIL	-40°C to +200°C	3/4		*			*		TRACE				*
SAPPHIRE AQUA SIL HI-LOAD	-40°C to +200°C	3/4					*		TRACE	*	*		*
SAPPHIRE ENDURE	-25°C to +280°C	2			*	*	*		DIRECT	*	*		
SAPPHIRE EXTREME	-10°C to +235°C	2/3			*			*		*	*	*	
SAPPHIRE HI-LOAD	-30°C to +150°C	2			*			*		*	*		
SAPPHIRE HI-SPEED	-40°C to +120°C	2	*								*		
SAPPHIRE PREMIER	-50°C to +200°C	2	*							*	*	*	
SAPPHIRE HI-PRESSURE	-20°C to +150°C	2			*					*	*	*	
SAPPHIRE LO-TEMP 2	-50°C to +120°C	2			*			*		*	*		



# CHAIN LUBRICANTS

A comprehensive range of lubricants designed to rapidly penetrate chain links and pins and operate in a wide range of environments. Whatever the type of drive or conveyor chain in use, ROCOL provides a lubricant to ensure trouble free operation - cutting expensive downtime and productivity loss.

## CHAIN & DRIVE SPRAY

Multi purpose aerosol applied drive and conveyor chain lubricant. CHAIN & DRIVE SPRAY provides a thin water resistant film of temperature-resistant mineral oil held in a quick-break foam. Use for the lubrication of drive and conveyor chains not fitted with automatic lubrication systems. Temperature range -30°C to +150°C.

## CHAIN & DRIVE FLUID

Bulk fluid general purpose chain lubricant with good load carrying properties. Provides long term wet film lubrication, for extended chain life. Temperature range -15°C to +120°C.

## CHAINGUARD HI-LOAD SPRAY

Heavy duty aerosol applied drive and conveyor chain lubricant - thin, water resistant film with MoS<sub>2</sub> (moly) for good load carrying capabilities. Use to lubricate and protect chains and drive systems operating under heavy loads or in difficult conditions. Ideal for fork lift truck chains. Temperature range -30°C to +180°C.

## CHAINGUARD 230

High temperature wet film chain and conveyor lubricant, which provides long life wet film lubrication at high temperatures. Use for the lubrication of chains running continuously at temperatures up to 230°C on drying machines, bakery ovens and paint stoving ovens. Temperature range +10°C to +230°C.

## CHAINGUARD 280

High temperature chain lubricant with good load carrying properties. Provides long term wet film lubrication at high temperatures. Use to lubricate conveyor chains and bearings operating either continuously or intermittently at high temperatures. Temperature range +10°C to +280°C.

## CHAINGUARD 550

Very high temperature graphited synthetic chain lubricant. Use in high temperature environments where the risk of product contamination by the lubricant cannot be tolerated e.g. bakery oven chains. Operating temperature range -10°C to +550°C, dry film above +180°C.

## DRY MOLY FLUID

Dry film coating of resin bonded molybdenum disulphide. This coating can be used for pre-treatment and lifetime dry lubrication of chains. Ideal for use in conditions that do not permit oil or grease based lubricant to be used. Temperature range -50°C to +450°C.



Part Code	Unit Size
22001	Aerosol

Part Code	Unit Size
22306	5L
22309	20L

Part Code	Unit Size
22141	Aerosol

Part Code	Unit Size
22255	5L
22265	20L

Part Code	Unit Size
22235	5L
22236	20L

Part Code	Unit Size
22076	5L
22075	20L

Part Code	Unit Size
10205	5L





# CHAIN LUBRICANT SELECTION CHART

	TEMPERATURE RANGE °C (CONTINUOUS OPERATION)	GENERAL PURPOSE APPLICATION	HIGH LOAD	DUST / DIRT	HUMID	WET	SOLID LUBRICANTS	FOOD GRADE
<b>CHAIN &amp; DRIVE SPRAY</b>	-30°C to +150°C	*			**	**		
<b>CHAIN &amp; DRIVE FLUID</b>	-15°C to +120°C	*			**	*		
<b>CHAIN GUARD HI LOAD SPRAY</b>	-30°C to +180°C		*		**	**	MoS <sub>2</sub>	
<b>CHAIN GUARD 230</b>	+10°C to +230°C		*		*			
<b>CHAIN GUARD 280</b>	+10°C to +280°C				*			
<b>CHAIN GUARD 550</b>	-10°C to +550°C		*				GRAPHITE	
<b>DRY MOLY FLUID</b>	-50°C to +450°C (Dry film above +180°C)		*	**	*		MoS <sub>2</sub>	
<b>FOODLUBE CHAIN FLUID</b>	-20°C to +150°C		*		**	**		YES
<b>FOODLUBE CHAIN SPRAY</b>	-20°C to +110°C		*		**	**		YES

## ANTI-SEIZE PRODUCTS

Seizure of fasteners presents a major inconvenience in many repair and maintenance situations, adding to both the time and cost of the job. ROCOL provide a range of premium quality anti-seize products which will protect fasteners against wet, dirty and hot conditions as well as from chemical attack, easing future dismantling thereby reducing downtime and costs.



### ANTI-SEIZE COMPOUND

A copper based anti-seize paste containing a high level of metallic and lubricating solids. Use to prevent galling and seizure of screws, bolts, studs and other static threaded fasteners particularly those subject to wet conditions and high temperatures. Temperature range -10°C to +1100°C.

Part Code	Unit Size
14030	85g
14033	500g
14035	5kg
14038	18kg

### ANTI-SEIZE SPRAY

Copper based aerosol applied anti-seize lubricant - similar to Anti-Seize Compound. Use to protect all kinds of threaded components where the convenience of aerosol application is preferred. Temperatures up to +1100°C.

Part Code	Unit Size
14015	Aerosol

### ANTI-SEIZE STAINLESS

High temperature metal free anti-seize paste - provides anti-seize properties across a wide temperature range and where low sulphur and chlorine levels are essential. Particularly suited for use on stainless steel and nimonic fasteners. Temperature range -40°C to +1000°C. Approved to Rolls Royce MSRR 4008.

Part Code	Unit Size
14143	500g

### PENETRATING SPRAY

Powerful jet spray of penetrating oil containing MoS<sub>2</sub> (moly) helps release seized components affected by rust, dirt or scale and provides lubrication during dis-assembly. Film protects against damage and further corrosive attack.

Part Code	Unit Size
14021	Aerosol

# WIRE ROPE LUBRICANTS

Wire ropes are frequently required to operate in the most severe conditions, often constantly exposed to the elements. ROCOL wire rope lubricants are designed to penetrate to the rope core, protecting and lubricating inside and out to extend safe working life, reducing unplanned down time and replacement costs.



## WIRE ROPE DRESSING

A tenacious, semi-fluid, non-melting grease, containing MoS<sub>2</sub> (moly) which penetrates to the rope core providing excellent lubricity and high load carrying capabilities. Repels water and protects against corrosion, even in sea water environments. Easily applied by brush - even at low temperatures. Use on all non-friction drive type ropes in hostile conditions on drag lines, cranes, derricks, submersible platforms, steelworks equipment, tower cranes, excavators, etc. Temperature range -30°C to +100°C.

Part Code	Unit Size
20026	4kg
20024	18kg

## WIRE ROPE SPRAY

Aerosol applied wire rope lubricant containing MoS<sub>2</sub> (moly) and other anti-wear additives. Leaves a film which gives similar operating characteristics to ROCOL WIRE ROPE DRESSING. Temperature range -30°C to +100°C.

Part Code	Unit Size
20015	Aerosol

## WIRE ROPE FLUID

Dewatering rope lubricant in solvent base which evaporates to leave a long lasting protective film containing MoS<sub>2</sub> (moly) similar to ROCOL WIRE ROPE DRESSING. Applied by compressed air spray, brush or swab. Suitable for application to wet ropes. Temperature range -30°C to +100°C.

Part Code	Unit Size
20046	5L
20045	20L

## BIOGEN ROPE GUARD

A solvent free, semi-fluid rope dressing. It is formulated to penetrate to the core of all wire ropes and give excellent lubrication and corrosion protection. The product also repels water, making it particularly suitable for areas of extreme water contamination. BIOGEN ROPE GUARD has been developed to ensure 100% biodegradability and relies on micro-organisms to assist in the degradation process. Temperature range -30°C to +100°C.



Part Code	Unit Size
19044	18kg

## MARINE WIRE ROPE DRESSING

A high performance viscous wire rope lubricant. Lubricates and protects in demanding applications and aggressive environments. Its unique formulation results in a long life tenacious grease ideally suited to marine applications. Temperature range -40°C to +120°C.

Part Code	Unit Size
13014	18kg



## CORROSION PROTECTION

Unprotected metal surfaces may be subject to attack by corrosion leading to problems ranging from unsightly staining through to component failure. ROCOL corrosion preventatives protect such components, extending working life and reducing the need for rework and repair.



### COLD GALVANISING SPRAY

A thin zinc rich film providing long term corrosion protection. Use in severe conditions. Ideal for repairing/patching up damaged galvanised surfaces.

Part Code	Unit Size
69515	Aerosol

### HEAVY DUTY RUSTSHIELD SPRAY

Thin waxy film giving extended corrosion protection - even in the most severe conditions, also provides residual lubrication for assembly etc. Use to protect metal parts stored outdoors, in transit or indoors under severe corrosive conditions for extended periods. Ideal for the protection of machines and equipment shipped overseas.

Part Code	Unit Size
69100	Aerosol

### MOISTURE GUARD SPRAY & FLUID (GREEN/CLEAR)

Almost dry film which is easily handled, protects against fingerprint corrosion and also provides residual lubrication for assembly. Displaces moisture - particularly effective in humid conditions and where condensation is a problem. Use for medium/long term indoor corrosion protection of bright metal components and mould tools during storage or shutdown.

Part Code	Unit Size
69025 (C)	Aerosol
69045 (G)	Aerosol
69006 (G)	5L

### METALGUARD

A corrosion protective for the temporary indoor protection of components such as gears, pressings and any machined metal components which require protection from corrosion - whether in storage, transit or between operations.

Part Code	Unit Size
69063	20L
69069	200L

### TUFSHIELD

A heavy duty 'high cling' grease designed to protect all metals under the severest conditions of erosion and corrosion. It is particularly effective in areas subject to flooding, repeated forceful washdowns and marine environments.

Part Code	Unit Size
37103	450g
37104	18kg

### Z5 FLUID

Highly versatile film which cleans, penetrates and displaces water. Provides light lubrication and corrosion protection and does not attract dirt or dust. Use to dry out electronic equipment and for day-to-day maintenance lubrication.

Part Code	Unit Size
37008	20L
37009	200L

### Z25 FLUID

Long lasting, non drying lubricant providing corrosion protection for up to 1 year. Use to free seized metal parts and in applications where long lasting lubrication and corrosion protection is required.

Part Code	Unit Size
37018	20L
37019	200L

### Z30 SPRAY & FLUID

Long term, heavy duty corrosion inhibitor, dries to form a soft waxy transparent film providing protection for up to 2 years. Use on equipment in environments where corrosion prevention and lubrication are required on chains, gears, wire ropes etc.

Part Code	Unit Size
37020	Aerosol
37022	5L
37028	20L
37029	200L

# GEAR LUBRICANTS

ROCOL manufacture a comprehensive range of gear lubricants which can be divided into 2 categories - exposed open gears and enclosed gearboxes.

Open gears are used extensively across industry, particularly in high load dusty environments. ROCOL open gear lubricants are designed to reduce wear on gear teeth and protect against corrosion even in the most extreme environments, resulting in prolonged, efficient gear life. All ROCOL open gear lubricants are bitumen free.

ROCOL's range of gearbox lubricants are designed to provide extended service life, reducing maintenance time and costs.



## TUFGEAR SPRAY

Provides a thin water repellent film with good load carrying capabilities. Highly tenacious, will not throw off in operation. Use on small gear trains, gears on overhead equipment and for application through guards onto moving gears. Temperature range -10°C to +100°C.

Part Code	Unit Size
18105	Aerosol

## TUFGEAR UNIVERSAL

A heavy duty open gear lubricant for demanding applications. Developed to deal with the loads found in the largest gears and to withstand the aggressive environments within which they operate, including gears that are exposed to strong underwater currents. Temperature range -40°C to +120°C.

Part Code	Unit Size
18303	300g
18305	5kg
18304	18kg

## TUFLUBE ALLWEATHER

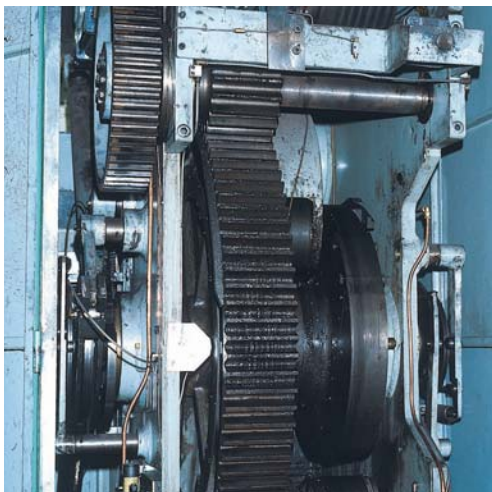
Extremely adhesive water resistant lubricant with excellent water displacing properties which provides good corrosion protection and long term lubrication. Can be applied to wet surfaces. Use on sliding surfaces, gears, slow speed bearings and outdoor equipment or wherever a heavy duty lubricant is required, particularly in wet or humid conditions. Temperature range -30°C to +70°C.

Part Code	Unit Size
18271	400g
18276	5kg
18244	18kg

## SAPPHIRE HI-TORQUE

High performance gear oils featuring the unique ROCOL Start Up Protection System (SUPS) which reduces wear, provides superior load carrying capabilities and stability at high temperatures. Approved for use by David Brown Gearboxes. Temperature range -20°C to +120°C.

Viscosity	Part Code	Unit Size
100	21006	5L
	21005	20L
	21009	200L
220	21016	5L
	21015	20L
	21019	200L
320	21026	5L
	21025	20L
	21029	200L
460	21036	5L
	21035	20L
	21039	200L
680	21046	5L
	21045	20L
	21049	200L



# INDUSTRIAL CLEANERS

Effective cleaning is an essential part of most maintenance tasks. ROCOL provide a range of cleaners designed to meet the requirements of all jobs.



## ELECTRA CLEAN SPRAY

A high performance cleaner suitable for electrical components and equipment, including contacts, switches, motors and windings. In addition to a high level of cleaning efficiency ELECTRA CLEAN SPRAY will evaporate completely leaving no residue to affect conductivity. Do not use on live or energised equipment. Foodsafe - contains only FDA listed ingredients, NSF K2 Registration.

Part Code	Unit Size
34066	Aerosol

## FOAM CLEANER SPRAY

Universal water based, fast acting foaming cleaner which cuts through grease, grime and dirt. Free from chlorinated solvents. Foodsafe - contains only FDA listed ingredients, NSF A1 registered.

Part Code	Unit Size
34141	Aerosol

## HEAVY DUTY CLEANER SPRAY & FLUID

A powerful, non-chlorinated, slow evaporating solvent blend which can be emulsified with water if required allowing built up dirt and grease to be easily removed by either wiping or water washing. Leaves no oily film. Harmless to most plastics and paints.

Part Code	Unit Size
34011	Aerosol
34014	5L

## INDUSTRIAL CLEANER RAPID DRY SPRAY

Powerful fast evaporating non-chlorinated solvent cleaner, dries in seconds to leave a residue free surface.

Part Code	Unit Size
34131	Aerosol

## ULTRACLEAN 2000 FLUID

Non-chlorinated water based cleaner - effectively cuts through grease, grime and dirt and rinses clean away to leave no residue. Economical in use - 1 part ULTRACLEAN 2000 can be diluted with up to 100 parts of water.

Part Code	Unit Size
34166	5L
34168	20L

## SCRUBS

Heavy duty waterless hand cleaning wipes for the quick, efficient removal of the heaviest soils. SCRUBS provides the ideal solution for thorough hand cleaning in all application areas. Supplied in a convenient tub, it contains 72 wipes ideal for use where there is no access to a conventional washroom. SCRUBS leaves the hands clean, protected and conditioned.

Part Code	Unit Size
34100	Tub



# ASSEMBLY & DRY FILM LUBRICANTS

Provide either a totally or almost dry thin MoS<sub>2</sub> (moly) film of exceptionally high load carrying strength for application in areas where conventional lubricants fail or are inappropriate. Typically these products are used to prevent galling and pick up on assembly, to avoid contamination of a finished product or to lubricate in very arduous conditions.



## DRY MOLY SPRAY

Aerosol applied thin, dry film of resin bonded MoS<sub>2</sub> (moly) which withstands high loads and temperatures. Does not pick up dirt and dust. Use as a dry film lubricant on slides, gears, plain bearings, as an anti-seize on precision threaded components and in applications where contamination of finished components cannot be tolerated. Temperature range up to +450°C.

Part Code	Unit Size
10025	Aerosol

## DRY MOLY PASTE

A soft paste with high MoS<sub>2</sub> (moly) content which can be rubbed or burnished on to the surface to give a dry bonded film with high load carrying capacity. Use for dry film lubrication where product contamination cannot be tolerated and as a lubricant or anti-seize agent on precision threads. Temperature range up to +450°C.

Part Code	Unit Size
10040	100g
10046	750g
10047	18kg

## DRY MOLY FLUID

A resin bonded, dry film coating of molybdenum disulphide. Developed to lubricate sliding mechanisms such as plain bearings, pins, cams and slides where a wet lubricant cannot be tolerated. Temperature range up to +450°C.

Part Code	Unit Size
10205	5L

## MT-LM ASSEMBLY AND RUNNING-IN PASTE

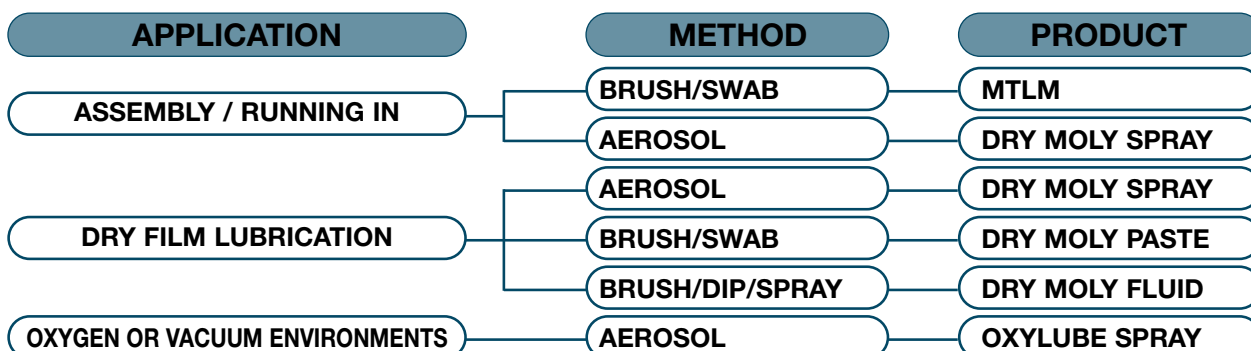
A soft, greasy paste with a high content of MoS<sub>2</sub> (moly) giving a thin lubricating film which resists high loads and prevents seizure and galling. Use during the assembly of interference fits, also acts as an anti-seize to facilitate dismantling and adjustment. Temperature range up to +450°C.

Part Code	Unit Size
10050	100g
10056	750g
10057	18kg

## OXYLUBE SPRAY

An aerosol applied, thin lubricating film of MoS<sub>2</sub> (moly) which is bonded with an inorganic agent. Use particularly in oxygen or vacuum environments or where components may be affected by chemicals, solvents or petroleum based products. Temperature range up to +450°C.

Part Code	Unit Size
10125	Aerosol



# SAPPHIRE COMPRESSOR & HYDRAULIC OILS



ROCOL manufacture a comprehensive range of compressor and hydraulic oils, which are designed to provide extended service life, thereby reducing maintenance time and costs.

## SAPPHIRE HI-POWER

A range of quality lubricating fluids, suitable for use in compressor, hydraulic and airline systems. Incorporation of the unique L-CO system provides low carry over and enhanced oxidation stability in compressors. In hydraulic systems, the premium quality ensures the fluid does not generate deposits, sludge, and varnish which results from fluid breakdown at high temperatures. Temperature range -20°C to +120°C.

Sapphire Hi-Power also meets the following standards:

### COMPRESSORS:

DIN 51506 (VBL, VCL, VDL)

ISO/DP 6521 (DAA, DAB, DAH, DAG)

### HYDRAULICS:

Vickers 1-286S, M-2950-S

Cincinnati Milacron P-68, P-69, P-70

Jeffrey No. 87

U.S. Steel 127, 136

General Motors LH-04-1, LH-06-1, LH-15-1

Denison HF-1, HF-2, HF-0

Lee Norse 100-1

Ford M-6C32

B.F. Goodrich 0152

Viscosity	Part Code	Unit Size
22	52525	20L
	52529	200L
32	52545	20L
	52549	200L
46	52555	20L
	52559	200L
68	52565	20L
	52569	200L
100	52575	20L
	52579	200L



# GENERAL PURPOSE & ANCILLARY PRODUCTS

The Rocol range of general purpose maintenance products are designed to be an easy to use and cost effective part of any maintenance program.

## BELT DRESSING SPRAY

A non-toxic colourless fluid designed for the conditioning treatment of all types of drive and conveyor belts. It adheres strongly to any belt material giving instant grip and preventing slippage, whilst preventing build up of dirt and grease. Temperature range +5°C to +100°C. Food safe - contains only FDA listed ingredients. NSF H1 Registered.



Part Code	Unit Size
34295	Aerosol

## DRY PTFE SPRAY

A low friction, non-stick lubricant. For the lubrication of cams, open bearings, and chutes on packaging equipment. Temperature range -200°C to +270°C. Food safe - contains only FDA listed ingredients. NSF H1 Registered.



Part Code	Unit Size
34235	Aerosol

## PRECISION SILICONE SPRAY

A light lubricating film with wide temperature stability. Suitable for use as an anti-stick agent, and for the lubrication of slides, bearings and conveyors. Temperature range -50°C to +200°C. Food safe - contains only FDA listed ingredients. NSF H1 Registered.



Part Code	Unit Size
34035	Aerosol

## SAPPHIRE PRECISION LUBE SPRAY

Ultra high performance synthetic maintenance lubricant with PTFE. SAPPHIRE PRECISION LUBE is designed to provide excellent lubrication, penetration and corrosion protection in a wide range of industrial applications. Temperature range -55°C to +250°C.

Part Code	Unit Size
34331	Aerosol

## SAPPHIRE SPRAY GREASE

Multi-purpose grease for maximum ease of application and convenience. Provides excellent lubrication and good corrosion protection over a wide temperature range, -50°C to +200°C.

Part Code	Unit Size
34305	Aerosol

## WD SPRAY

A general purpose, water displacing maintenance penetrant spray. WD Spray provides light lubrication and a short term corrosion resistant film.

Part Code	Unit Size
34271	Aerosol

## LEAK DETECTOR SPRAY

Gas leak detection system in aerosol form fitted with a 360° valve. Specially formulated fluid, designed specifically to identify even the smallest, positive pressure, gaseous leak. Leaves a thin uniform film of surface-active agents that accurately identify any leaks or bleeding of joints.

Part Code	Unit Size
32030	Aerosol





## SEALANTS & PIPE JOINTING

The ROCOL range of jointing products have been formulated to provide effective sealing of joints across a wide range of applications, reducing leaks and improving efficiency.

### GASSEAL

Off white non-setting jointing compound with good adhesion and gap filling properties. Gasseal is unaffected by vibration but can be easily released. Use on all threaded and face joints on pipe work carrying natural gas, LPG, air, oils, aliphatic solvents and water. GASSEAL has been independently tested by BSI to BS EN 751-2: 1997 part 2 class B.

Part Code	Unit Size
28042	300g

### PIPESEAL LIQUID

A clean and easy to use alternative to PTFE tape. A white sealant containing finely dispersed PTFE which form flexible pressure tight seals on threaded pipes, lubricates during assembly, resists vibration and temperature changes. Suitable for use in a wide range of applications including air, water, gas, oils and commonly used industrial solvents.

Part Code	Unit Size
28022	300g

### OILSEAL

White thixotropic liquid that sets hard to form a pressure tight seal. Resistant to oil and unaffected by vibration. Use to seal threaded and face joints that are subjected to mineral oils, white spirit and paraffin. Also suitable for liquid petroleum gases.

Part Code	Unit Size
28032	300g

### GRAPHITED PJC

Grey jointing compound - dries slowly and retains some flexibility, enabling easy dismantling of joints and removal for reapplication prior to reassembly. Use for applications involving high and low pressure air, steam, water and gas.

Part Code	Unit Size
30022	375g

### MANGANESE PJC

Soft dark grey jointing compound. Very hard setting and resistant to high temperatures and pressures. Use for high pressure steam, water, gas and alcohol.

Part Code	Unit Size
30042	400g

### SUPER RED PJC

Hard setting red jointing compound. Resistant to high pressure yet allows for expansion, contraction and vibration. Use for sealing threaded and face connections for use with LPG, paraffin, white spirit, alcohol and oils.

Part Code	Unit Size
30051	375g

Medium to be carried	OILSEAL	GASSEAL	PIPESEAL LIQUID	SUPER RED PJC	GRAPHITED PJC	MANGANESE PJC
Steam		*	*		*	*
Water		*	*		*	*
Air		*	*		*	*
Gas		*	*		*	*
Liquid pet gases	*	*	*	*		*
Mineral oils	*		*	*		
Petrol	*			*		
Paraffin	*		*	*		
White spirit	*		*	*		
Alcohol				*		*
Domestic work		*				
Operating Temp <small>(dependant on joint fitting)</small>	-50°C to 200°C	-20°C to 125°C	-50°C to 250°C	up to 250°C	up to 450°C	up to 600°C
Pressure	up to 2000psi	test pressure 0.2 bar	up to 400psi	up to 150psi	up to 1400psi	up to 2800psi

# FOODLUBE PRODUCTS

**FOODLUBE...The most effective lubricants in the food chain.**



The FOODLUBE range is a comprehensive range of lubricants designed for use in the food industry. All the FOODLUBE range are formulated using only FDA ingredients and meet the requirements of the NSF H1 registration scheme. All are free from mineral hydrocarbons, nut oils, soya oils, and genetically modified ingredients.

**FOODLUBE range meets:**

- NSF H1 Registration • DIN V 10517 • FDA Group 21 CFR 178.3570



## BEARING GREASES

### FOODLUBE UNIVERSAL

Designed for the effective lubrication of all types of ball, roller and plain bearings operating under high loads in the food and other clean industries. Suitable for multi purpose applications and those operating at low or high temperatures, high loads and those which require high water resistance. Temperature range: -50°C to +160°C. NLGI No. 2, 0 and 000.



NLGI No.	Part Code	Unit Size
000	15286	4kg
	15284	18kg
0	15276	4kg
	15274	18kg
2	15231	380g
	15236	4kg
	15234	18kg

### FOODLUBE HIGH TEMPERATURE GREASE 2

A semi-translucent silicone grease, fortified with PTFE. Suitable for the lubrication of all types of slower bearings and sliding surfaces operating at high temperatures. Temperature range: -20°C to +200°C. NLGI No. 2.



Part Code	Unit Size
15251	380g
15256	4kg
15254	18kg

### FOODLUBE ENDURE 00

A perfluorinated polyether (PFPE) grease, fortified with PTFE. FOODLUBE ENDURE 00 is designed for high temperature lubrication of chains, gears, bearings and other sliding surfaces. It is extremely stable and resistant to chemical attack such as in caustic washing, resulting in greatly extended lubrication intervals. Temperature range: -25°C to +280°C.



Part Code	Unit Size
15503	525kg

### SAPPHIRE ENDURE

A perfluorinated polyether (PFPE) grease, thickened with PTFE. Provides long term lubrication of bearings, slides, small gears, chains and valves operating in aggressive environments such as high temperatures, or where contamination by chemicals or solvents is possible. Temperature range: -25°C to +280°C. NLGI 2.



Part Code	Unit Size
12330	100g
12331	700g
12334	1kg
12336	5kg

### FOODLUBE AUTOLUBE

- Simple to install
- Consistent delivery
- Fully automatic
- Up to 1 year automatic delivery



Part Code	Unit Size
15224	Complete 120ml
15220	Refill 120ml

### FOODLUBE UNIVERSAL UNILUBE

- Contains FOODLUBE Universal
- Up to 1 year automatic delivery
- Excellent corrosion protection
- Simple to install
- Significantly extends bearing life
- Superior resistance to water wash-out
- Intrinsically safe



Part Code	Unit Size
15910	100ml

### CARTRIDGE GUN

- High pressure grease gun for use with the standard ROCOL grease cartridge

Part Code	Unit Size
38113	-

### KEG PUMP

- Lever action keg pump for use with the standard ROCOL 18kg grease pail

Part Code	Unit Size
38110	-

## BEARING GREASES

### FOODLUBE EXTREME

An extreme application bearing grease designed for effective lubrication of all bearing types in the food and clean industries. With a highly tenacious nature and excellent water resistance, it is ideal for extremely wet environments, or where particular water resistance is needed. In addition good load carrying and excellent corrosion protection ensure extended bearing life. Temperature range -30°C to +160°C. NSF H1 Registered.



Part Code	Unit Size
15241	380g
15246	4kg
15244	18kg

## CHAIN LUBRICANTS

### FOODLUBE CHAIN FLUID

Chain and conveyor lubricant with good load carrying and corrosion preventative properties. Suitable for the lubrication of all chains and conveyors. May be used either manually or with automatic lubrication equipment. Temperature range: -20°C to +150°C.



Part Code	Unit Size
15506	5L
15505	20L

### FOODLUBE OVERHEAD CHAIN FLUID

A highly tenacious product which provides excellent anti-corrosion properties. Particularly suitable for all types of overhead chains and conveyors operating in wet conditions and applications where frequent wash downs occur. Temperature range: -20°C to +150°C.



Part Code	Unit Size
15786	5L
15785	20L

### FOODLUBE CHAIN SPRAY

Aerosol applied chain and conveyor lubricant - ideal for the lubrication of all types of chains and conveyors where the convenience of aerosol application is preferred. Temperature range: -20°C to +150°C.



Part Code	Unit Size
15610	Aerosol

### FOODLUBE HI-TEMP CHAIN FLUID

Designed for use at high temperatures, FOODLUBE Hi-Temp Chain Fluid is suitable for all types of chain and drive conveyors. Providing effective lubrication at temperatures up to 550°C, extended lubrication intervals and reduced wear are provided by the superior load carrying lubricity. FOODLUBE Hi-Temp Chain Fluid extends lubrication intervals and provides dry film lubrication at temperatures above 180°C. Temperature range: moist film - 10°C to +180°C, Dry film up to +550°C. NSF H1 Registered.



Part Code	Unit Size
15306	5L
15305	20L

### FOODLUBE CHAIN FLUID UNILUBE

Gas activated fully automatic lubrication. Containing FOODLUBE Chain Fluid, Unilube ensures consistent, constant lubrication. Variable dispensing rates for between 1, 3, 6 and 12 months, offering extended periods of lubrication for all types of chains and conveyors. Temperature range -20°C to 150°C



Part Code	Unit Size
15502	100ml



# ANTI-SEIZE & ASSEMBLY LUBRICANTS

## FOODLUBE MULTI PASTE & SPRAY

Suitable for use as an anti-seize, assembly paste, and for lubricating bushes, slides and small open gears in the food and other clean industries. Designed to operate across a wide temperature range and is particularly suitable for stainless steel fasteners used in high temperature applications. Available in a paste or convenient aerosol spray. Temperature range: -30°C to +450°C min.



Part Code	Unit Size
15750	85g
15758	400g
15753	500g
15756	5kg
15751	Aerosol

## FOODLUBE DISMANTLING SPRAY

Fast acting penetrating spray - designed to provide fast, effective release of seized and corroded threaded fasteners. Temperature range: -30°C to +450°C min.



Part Code	Unit Size
15720	Aerosol



# GEAR, COMPRESSOR, AIRLINE & HYDRAULIC FLUIDS

## FOODLUBE HI-TORQUE (with SUPS) GEARBOX FLUIDS

A range of fully synthetic gearbox fluids for use in food and other clean industries. Contains the unique ROCOL Start Up Protection System (SUPS). SUPS is designed to protect gear teeth on start up and provide protection during use. Temperature range -20°C to +150°C



Viscosity	Part Code	Unit Size
150	15426	5L
	15425	20L
	15429	200L
220	15526	5L
	15525	20L
	15529	200L
320	15766	5L
	15765	20L
	15769	200L
460	15776	5L
	15775	20L
	15779	200L



# GEAR, COMPRESSOR, AIRLINE & HYDRAULIC FLUIDS

## FOODLUBE HI-POWER FLUIDS



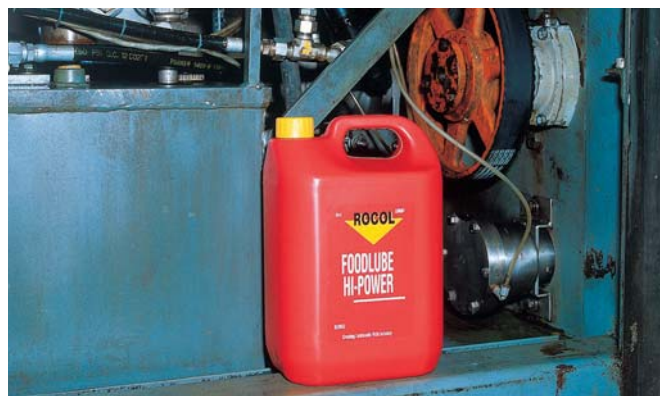
A fully synthetic range of food quality fluids, suitable for use in compressor, hydraulic and airline systems. Incorporation of the unique L-CO system provides low carry over and enhanced oxidation stability in compressors. In hydraulic systems, the premium quality ensures the fluid does not generate deposits, sludge, and varnish which results from fluid breakdown at high temperatures. Temperature range -20°C to +100°C.

Viscosity	Part Code	Unit Size
22	15796	5L
	15795	20L
	15799	200L
32	15896	5L
	15895	20L
	15899	200L
46	15996	5L
	15995	20L
	15999	200L
68	16006	5L
	16005	20L
	16009	200L
100	15946	5L
	15945	20L
	15949	200L

## REFRIGERATION COMPRESSOR OIL

A lubricant designed specifically for use in refrigeration compressors and the arduous conditions that these operate in. Compatible with all common refrigerants, including ammonia, this product exhibits no waxing at -48°C, ensuring that compressor operation is maximised.

Part Code	Unit Size
31009	200L
31029	1000L



## GENERAL PURPOSE PRODUCTS

### FOODLUBE SPRAY

High performance versatile lubricant spray - use for all round light-to-medium lubrication of most moving parts including small bearings and slides. Temperature range -20°C to +110°C.



Part Code	Unit Size
15710	Aerosol

### FOODLUBE SUGAR DISSOLVING FLUID

Rapidly dissolves and removes sugar and fondant build up from all surfaces. Effectively minimises further sugar and fondant residues whilst providing a durable light lubricating film. Available in bulk or a convenient trigger spray. Temperature range +5°C to +95°C.



Part Code	Unit Size
15110	500ml
15116	5L

### PRECISION SILICONE SPRAY

A light lubricating film with wide temperature stability. Suitable for use as an anti-stick agent and for the lubrication of slides, bearings and conveyors. Temperature range -50°C to +200°C.



Part Code	Unit Size
34035	Aerosol

### DRY PTFE SPRAY

A low friction, non-stick lubricant. For the lubrication of cams, open bearings, and chutes on packaging equipment. Temperature range -200°C to +270°C.



Part Code	Unit Size
34235	Aerosol

### BELT DRESSING SPRAY

A non-toxic colourless fluid designed for the conditioning treatment of all types of drive and conveyor belts. It adheres strongly to any belt material giving instant grip and preventing slippage, whilst preventing build up of dirt and grease. Temperature range +5°C to +100°C.



Part Code	Unit Size
34295	Aerosol

### FOAM CLEANER SPRAY

Universal fast acting foaming cleaner cuts through grease, grime and dirt. Free from chlorinated solvents. NSF A1 Registered.



Part Code	Unit Size
34141	Aerosol

### ELECTRA CLEAN SPRAY

A high performance cleaner suitable for electrical components and equipment, including contacts, switches, motors and windings. In addition to a high level of cleaning efficiency ELECTRA CLEAN SPRAY will evaporate completely leaving no residue to affect conductivity. Do not use on live or energised equipment. NSF K2 Registered.



Part Code	Unit Size
34066	Aerosol

### FOODLUBE MULTI-LUBE

A multi-purpose penetrating lubricant designed to provide extended lubrication intervals. Fortified with PTFE it provides effective lubrication in all areas, particularly for chains, bearings and slides. Temperature range -50°C to +180°C.



Part Code	Unit Size
15120	500ml
15126	5L

### FOODLUBE SPRAY GREASE

Food grade multipurpose EP grease fortified with PTFE. Non-toxic lubricant designed for the effective lubrication of slides, bushes, pins and bearings. Temperature range: -50°C to +160°C. NSF H1 Registered.



Part Code	Unit Size
15030	400ml

### INDUSTRIAL CLEANER RAPID DRY SPRAY

Multi-purpose, fast drying, degreaser that leaves no residue. A specially formulated blend of degreasing solvents designed to remove grease, oil and general workshop grime rapidly from a wide range of surfaces. Ideal for use where a fast drying non-chlorinated solvent cleaner is required, particularly if a clean residue free surface is essential. NSF K1 Registered.



Part Code	Unit Size
34131	300ml

# GENERAL PURPOSE PRODUCTS

## VAC PUMP OIL

A high performance vacuum oil formulated to extend lubricant lifetime in high load and elevated pressure conditions. Rocol vac pump oil is a clean low odour product that minimises deposits in vacuum pump systems, increases pump reliability and efficiency and prevents corrosion from moisture ingress. Rocol Vac Pump Oil is ideal for use as gearbox flushing oil. Temperature range -5°C to +130°C. NSF H1 Registered.



Part Code	Unit Size
16806	5L
16805	20L

## FOODLUBE WD SPRAY

FOODLUBE WD Spray is designed to provide ultimate de-watering of all parts in the food industry. De-watering with FOODLUBE WD Spray prevents corrosion and extends service intervals at the same time as applying a light lubricating film that effectively releases seized and corroded parts. Ideal for use right across the facility wherever de-watering, light lubrication, or release of seized parts is required. Temperature range: -50°C to +120°C. NSF H1 Registered.



Part Code	Unit Size
15010	300ml

## FOODLUBE PROTECT

A food-grade corrosion inhibitor designed for protection of all metal parts. The visible film displaces water and is then resilient to aggressive cleaning, meaning no reapplication. With its lubricating properties, moving metal parts are provided long term protection from wear and corrosion. Temperature range: -40°C to +110°C. NSF H1 Registered.



Part Code	Unit Size
15020	300ml



# METALWORKING PRODUCTS



Bacteria and fungi are the enemy of metalworking fluids. For generations, chemists and lubricant technologists have been working to minimise their adverse effects on metalworking fluids.

ROCOL have taken a new approach, developing a synergistic system of cutting fluid, slideway lubricant and tapping fluid. All 3 work together to maximise metalworking fluid life and performance.



## TRI-Logic MAXIMUM LIFE CUTTING FLUID

TRI-Logic cutting fluids are formulated to have maximum resistance to bacteria and fungi attack, and are also protected by effective anti-microbial additives.

### TRI-Logic AL Maximum Life Aluminium Cutting Fluid

Aluminium cutting fluid suitable for all operations on aluminium and it's alloys.

Part Code	Unit Size
51884	60L
51889	200L

### TRI-Logic ALX Maximum Life Cutting Fluid For Roll Tapping

Heavy duty cutting fluid for roll tapping. Suitable for arduous operations and difficult materials.

Part Code	Unit Size
51954	60L
51959	200L

### TRI-Logic BF Maximum Life Boron & Amine Free Cutting Fluid

Multi purpose cutting fluid suitable for machining ferrous and non ferrous materials.

Part Code	Unit Size
51549	200L

### TRI-Logic EP Maximum Life Extreme Pressure Cutting Fluid

Heavy duty cutting fluid suitable for arduous operations and difficult materials.

Part Code	Unit Size
51894	60L
51899	200L

### TRI-Logic FE Maximum Life Cutting Fluid For Ferrous Materials

Multi purpose cutting & grinding fluid for ferrous materials, especially suited to cast iron.

Part Code	Unit Size
52154	60L
52159	200L

### TRI-Logic ML Maximum Life Cutting Fluid

Multi purpose cutting fluid suitable for machining ferrous and non ferrous materials.

Part Code	Unit Size
51804	60L
51809	200L

## TRI-Logic SLIDEWAY & HYDRAULIC LUBRICANT

The primary cause of tramp oil is the total loss slideway and hydraulic lubrication system incorporated in the majority of modern machine tools. In effect, tramp oil contamination and poor cutting fluid life are designed in to the machine tool.

### TRI-Logic VG68

Slideway lubricant that extends tool life. High quality lubricant incorporating special additives which resist microbial attack. In addition, these additive transfer into the cutting fluid, actively reinforcing the anti-microbial properties and extending cutting fluid life.

*TRI-Logic VG68 is so unique that world-wide patent protection has been applied for.*



Part Code	Unit Size
52123	20L
52124	60L
52129	200L

### TRI-Logic HO32

A high performance hydraulic oil for machine tools formulated to minimise the detrimental effects of hydraulic oil leaks on cutting fluids. Contains special additives that prevent it from being a food source for bacteria. It is also suitable for use in bar feeders requiring a 32 viscosity grade hydraulic oil.

Part Code	Unit Size
51949	200L



# TRI-Logic RTD

Where used in conjunction with a water mix cutting fluid, tapping fluid creates yet another source of contamination when it is washed from the tool and workpiece into the cutting fluid.

In order to avoid providing an additional food source for bacteria and fungi, TRI-Logic RTD has been formulated using “biologically hard” raw materials.

TRI-Logic RTD builds on the well established and market leading Rocol technology, providing excellent tool life and surface finish.



## TRI-Logic RTD

Tapping fluid that fortifies cutting fluid. Designed to emulsify into water mix cutting fluids, fortifying the extreme pressure cutting properties and enhancing tool life and surface finish. It is pleasant to use, low odour and light color and is also water washable. Can be used directly or via automatic applicators in CNC machines.

Part Code	Unit Size
53003	350ml
53006	5L
53008	20L

### CURRENT PROBLEM

**Bacteria feeding on Slidway Oil and Tapping Fluid.**

**Bacteria Test Slide 1**  
Test slide taken from a standard cutting fluid showing heavy bacterial infection.

### TRI-LOGIC™ SOLUTION

**TRI-LOGIC™ VG68**  
Actively reinforces the anti-microbial properties of the cutting fluid.

**TRI-LOGIC™ RTD**  
Emulsifies and fortifies the EP performance of the cutting fluid.

**Bacteria Test Slide 2**  
Same machine using the TRI-Logic™ system has significantly reduced bacterial growth.

**TRI-LOGIC™ METALWORKING FLUID**  
Maximum life cutting fluid.

## ULTRACUT LONG LIFE

## MINERAL CUTTING FLUID

The **ULTRACUT** range of water mix, long life, cutting fluids provide exceptional cutting performance and extended tool life. The range includes products for all metal cutting operations and the majority of materials.



### ULTRACUT 250 PLUS

A high quality general purpose water mix cutting fluid designed for light/medium cutting operations on ferrous and non ferrous metals. Rejects tramp oil, is low foaming and is ideal for companies who are machining a variety of metals.

Part Code	Unit Size
51366	5L
51363	20L
51362	60L
51369	200L

### ULTRACUT 250 HW

Provides all of the characteristics of ULTRACUT 250 PLUS for companies operating in hard water areas.

Part Code	Unit Size
51483	20L
51489	200L

### ULTRACUT 255

A high performance, extreme pressure, water mix cutting fluid suitable for use in medium/severe cutting operations. The combination of extreme pressure performance and long sump life permits increased machining rates and true cost efficiency.

Part Code	Unit Size
51336	5L
51333	20L
51334	60L
51339	200L

### ULTRACUT 255 HW

Provides all of the characteristics of ULTRACUT 255 for companies operating in hard water areas.

Part Code	Unit Size
51473	20L
51479	200L

### ULTRACUT 260

Extremely high performance, extreme pressure, water mix cutting fluid designed to provide superior performance in severe cutting operations. Suitable for a wide range of ferrous metals including difficult to machine alloys, stainless steel, nickel alloys and titanium.

Part Code	Unit Size
51263	20L
51264	60L
51269	200L

### ULTRACUT 280A PLUS

A water mix fluid designed for medium and severe cutting operations when machining aluminium and its alloys. Compatible with most grades of aluminium and its alloys, it may also be used to machine ferrous and non ferrous alloys.

Part Code	Unit Size
51686	5L
51682	20L
51681	60L
51689	200L

### ULTRACUT 280A HW

Provides all of the characteristics of ULTRACUT 280A PLUS for companies operating in hard water areas.

Part Code	Unit Size
51493	20L
51499	200L



## ULTRACUT LONG LIFE SEMI-SYNTHETIC CUTTING & GRINDING FLUID

### ULTRACUT 370 PLUS

High dilution, semi-synthetic general purpose water mix cutting and grinding fluid formulated to provide optimum performance at high dilutions on a wide range of ferrous and non-ferrous metals.

Part Code	Unit Size
51376	5L
51373	20L
51372	60L
51379	200L

### ULTRACUT 320

A high performance, extreme pressure, semi-synthetic water mix product ideal for medium/severe cutting and grinding operations on a wide range of ferrous and non-ferrous metals.

Part Code	Unit Size
51323	20L
51329	200L

### ULTRACUT 390H

A general purpose, semi-synthetic, water mix cutting fluid, with a 40% oil content. Suitable for light/medium operations on a wide range of ferrous and non-ferrous metals. Provides a high level of corrosion protection and has a long and predictable sump life.

Part Code	Unit Size
51296	5L
51293	20L
51294	60L
51299	200L

## ULTRACUT CHLORINE FREE CUTTING FLUID

### ULTRACUT 620

A chlorine free, high performance, extreme pressure, water mix semi-synthetic product ideal for medium/severe cutting and grinding operations on a wide range of ferrous and non-ferrous metals.

Part Code	Unit Size
51383	20L
51389	200L

## ULTRAGRIND SYNTHETIC GRINDING FLUID

### ULTRAGRIND PREMIUM

A high performance, synthetic grinding fluid with corrosion inhibitors, wetting agents and lubricity additives. Suitable for surface, centreless and cylindrical grinding operations with all types of grinding wheels, wet abrasive belts and cut off wheels. Keeps wheels clean.

Part Code	Unit Size
51182	20L
51189	200L

### ULTRAGRIND 430

A general purpose synthetic grinding fluid, suitable for use with all types of grinding wheels. Use for light to medium surface and cylindrical grinding operations.

Part Code	Unit Size
51503	20L
51509	200L

### ULTRAGRIND CARBIDE

A general purpose synthetic grinding fluid designed for use with hard metals, especially tungsten carbide. Designed to minimise cobalt leaching. Suitable for all types of grinding wheels, it can be used for surface, centreless and cylindrical grinding operations.

Part Code	Unit Size
51713	20L
51719	200L



# CUTTING FLUID SELECTION CHART

ULTRACUT 250 PLUS	ULTRACUT 250HW	ULTRACUT 255	ULTRACUT 255HW	ULTRACUT 260	ULTRACUT 260 PLUS	ULTRACUT 280A	ULTRACUT 370 PLUS	ULTRACUT 390 H	ULTRACUT 320	ULTRACUT 620	ULTRACUT 430	ULTRAGRIND PREMIUM	ULTRAGRIND CARBIDE	TRI-Logic AL	TRI-Logic ALX	TRI-Logic BF	TRI-Logic EP	TRI-Logic FE	TRI-Logic ML
SOLUBLE OIL - REJECTS TRAMP OIL											SEMI-SYNTHETIC EMULSIFIES TRAMP OIL				SYNTHETIC FLUID				
											SEMI-SYNTHETIC CHLORINE FREE								

## CUTTING

MILD STEEL	***	***	***	***	***	***	***	***	***	***	~	~	~	~	~	~	~	~	~	~
MEDIUM CARBON STEEL	**	**	***	***	**	**	**	**	**	**	~	~	~	~	**	**	**	**	**	**
HIGH CARBON STEEL	*	*	***	***	*	*	*	*	***	***	~	~	~	~	*	*	***	***	*	*
STAINLESS STEEL	*	*	***	***	*	*	*	*	***	***	~	~	~	~	*	*	***	***	*	*
NICKEL ALLOYS	*	*	**	**	*	*	*	*	***	***	~	~	~	~	*	*	***	***	*	*
TITANIUM	*	*	**	**	*	*	*	*	**	**	~	~	~	~	*	*	***	***	*	*
ALUMINIUM	**	**	**	**	**	**	**	**	**	**	~	~	~	~	***	***	**	**	**	**
YELLOW METALS	**	**	**	**	**	**	**	**	**	**	~	~	~	~	***	***	**	**	**	**
CAST IRON	**	**	**	**	**	**	**	**	**	**	~	~	~	~	*	*	**	**	***	**
MAGNESIUM	*	*	*	*	*	*	*	*	*	*	~	~	~	~	*	*	**	**	**	**
PLASTICS	***	***	***	***	***	***	***	***	***	***	~	~	~	~	***	***	***	***	***	***

## GRINDING

LIGHT / MEDIUM DUTY	~	~	~	~	~	~	**	**	**	**	**	**	**	**	~	~	**	**	~	~
MEDIUM / HEAVY DUTY	~	~	~	~	~	~	*	*	*	*	**	**	**	**	~	~	*	*	~	~
TUNGSTEN CARBIDE	~	~	~	~	~	~	~	~	~	~	**	**	**	**	~	~	~	~	~	~

\*\*\* OPTIMUM PERFORMANCE \*\* VERY GOOD PERFORMANCE \* GOOD PERFORMANCE ~ NOT NORMALLY RECOMMENDED

## ULTRAGUARD MACHINE TOOL CARE

Good machine tool care can contribute significantly towards greater efficiency and overall cost savings. The ULTRAGUARD range of Machine Tool Care products are designed to complement the ULTRACUT and ULTRAGRIND range of metal cutting and grinding fluids and enable easy care and maintenance of machine tools.



### ULTRAGUARD SC SYSTEM CLEANER

A system cleaner for use with water-mix cutting and grinding fluids. Specially designed for use prior to recharging machine tools with fresh cutting or grinding fluid. Cleans and disinfects in one operation. May be used in the existing fluid whilst the machine is in operation.

Part Code	Unit Size
52024	1L
52026	5L
52023	20L

### ULTRAGUARD PF PURGING FLUID

A purging fluid specially formulated to clean and disinfect the most heavily contaminated machine tool sumps. Use to clean out the system prior to refilling with new fluid.

Part Code	Unit Size
52056	5L

### ULTRAGUARD BX BACTERICIDE

A biocide additive that can be safely used with all water mix, semi-synthetic and synthetic water mix products. Designed to provide long lasting protection against bacterial contamination.

Part Code	Unit Size
52084	1L

### ULTRAGUARD FX FUNGICIDE

A fungicidal additive that can be used with all types of cutting and grinding fluids. Formulated to eliminate fungal spores and prevent the formation of fungal growth.

Part Code	Unit Size
52094	1L

### ULTRAGUARD AF ANTI-FOAM

A non-silicone anti-foam designed for the treatment of synthetic, semi-synthetic and water mix cutting and grinding fluids. Effectively controls excessive foaming.

Part Code	Unit Size
52074	1L

## ULTRAGLIDE SLIDEWAY LUBRICANT

### ULTRAGLIDE X5

Provides excellent lubrication and corrosion protection for machine tool slideway systems. Designed to prevent "stick slip". ISO VG68. Contains excellent demulsification properties.

Part Code	Unit Size
52086	5L
52083	20L
52089	200L

### ULTRAGLIDE SPRAY

Provides excellent lubrication and corrosion protection for machine tool slideway systems.

Part Code	Unit Size
52041	Aerosol

## DILUTION CONTROL

### AUTOMATIC FLUID MIXER

Accurately mixes and dispenses water mix cutting and grinding fluids from the 200 litre barrel.

Part Code	Unit Size
52233	-

### REFRACTOMETER

Provides accurate read out (strength/mix ratio) of water mix cutting and grinding fluids.

Part Code	Unit Size
52060	-

# RTD HAND APPLIED CUTTING LUBRICANTS

RTD can double tool life when compared to conventional hand applied cutting lubricants.

The RTD range of hand applied metal cutting lubricants have been developed to provide maximum lubrication between workpiece and tool, reducing cutting forces and wear. The use of a RTD product will help reduce tool wear, improve surface finish and increase metal removal rates on even the most difficult to machine metals including stainless steel, titanium and nickel alloys.



## RTD LIQUID

A viscous fluid containing extreme pressure additives for use in reaming, tapping, drilling and other metal cutting operations. Suitable for all metals including hardened steels, titaniums and nickel alloys. This product significantly reduces friction giving superb cutting performance. Can be used in automatic applicators on CNC machines.

Part Code	Unit Size
53072	400g
53076	5L
53078	20L
53079	200L

## RTD COMPOUND

A soft melting paste containing extreme pressure additives for use in reaming, tapping, drilling and other heavy duty metal cutting operations. Suitable for all metals including hardened steels, titaniums and nickel alloys. It has been formulated to cling to the tool thus providing the ultimate in cutting performance. This product significantly reduces friction giving superb cutting performance.

Part Code	Unit Size
53020	50g
53023	500g
53026	5kg
53028	18kg
53029	185kg

## RTD SPRAY

All the performance of RTD Liquid in an aerosol. Particularly suitable for use during the cutting operation, or where accessibility is a problem.

Part Code	Unit Size
53011	Aerosol

## RTD FOAMCUT

A high performance aerosol applied cutting foam lubricant that clings to the workpiece ensuring excellent penetration. Suitable for application to less accessible cutting edges.

Part Code	Unit Size
53041	Aerosol

## RTD CLEAN CUT

A clean, oil and sulphur free, hand applied metal cutting lubricant that has been designed to provide improved cutting performance in most metal cutting operations. It emulsifies with water mix cutting fluids and can improve their performance. Ideal for automatic application on CNC machines and use with stainless steel metals.

Part Code	Unit Size
53062	350g
53066	5L

## RTD CHLORINE FREE

The RTD chlorine free range of products have been specifically developed to satisfy ever increasing environmental, and health and safety needs in today's markets.

These products meet the same exacting performance standards as the standard RTD range.

Product	Part Code	Unit Size
Liquid	53521	350ml
	53526	5L
Compound	53513	450g
	53516	4.5kg
Spray	53081	Aerosol



## LAYOUT INKS

### LAYOUT INK SPRAY & FLUID (BLUE/WHITE)

Rapid drying metal marking inks - which will not crack or flake and are resistant to washing off by water mix cutting fluids. Use for marking out of all metals prior to machining. White for dark surfaces; blue for bright surfaces.

Part Code	Unit Size
57015 (Blue)	Aerosol
57025 (White)	Aerosol
57034 (Blue)	1L
57044 (White)	1L

## SPATTER RELEASE

Designed to prevent the adhesion of molten weld spatter.

### SPATTER RELEASE SPRAY

Non-silicone, heat resistant barrier film. Non corrosive and will not interfere with weld formation. Easily cleaned with a cloth and does not affect subsequent galvanising or painting operations.

Part Code	Unit Size
66080	Aerosol

### SPATTER RELEASE FLUID OIL FREE

Water based spatter release where oil containing products cannot be permitted. Does not affect any subsequent galvanising or painting operations and components can be painted without cleaning

Part Code	Unit Size
66070	500ml
66096	5L

### WELDMATE SPATTER OFF SPRAY

Water based spatter release where oil containing products cannot be permitted. Does not affect any subsequent galvanising or paint operations. Components can be painted after wipe-down with a cloth.

Part Code	Unit Size
66145	Aerosol

## FLAWFINDER CRACK DETECTION

Non-destructive inspection system designed to provide a fast reliable method for visual detection of cracks or flaws not normally visible to the naked eye.

### FLAWFINDER CLEANER SPRAY

Use to clean areas for inspection and to remove excess penetrant.

Part Code	Unit Size
63125	Aerosol

### FLAWFINDER DYE PENETRANT SPRAY

High sensitivity dye for detecting cracks and flaws under normal light.

Part Code	Unit Size
63151	Aerosol

### FLAWFINDER DEVELOPER SPRAY

A fine white powder film which gives precise definition to the faults highlighted by the dye penetrant.

Part Code	Unit Size
63135	Aerosol

## MOULD RELEASE PRODUCTS

Mould release agents offering high performance, economy and versatility in the release of all types of plastic and synthetic rubbers in injection and compression mouldings.

### PR SILICONE RELEASE SPRAY

Wet film silicone release agent. Suitable for blow, flow, injection and compression moulding operations. Suitable up to 200°C.

Part Code	Unit Size
72015	Aerosol

### MOULD RELEASE SPRAY

Non-silicone dry film PTFE release agent. Designed for all plastics and rubbers and for moulding parts that will be over printed or painted. Particularly suited for high speed production. Suitable up to 270°C.

Part Code	Unit Size
72021	Aerosol

### RS7 SPRAY

Wet film, non-silicone release agent. Particularly suitable for delicate or intricate plastic components. Suitable up to 150°C.

Part Code	Unit Size
72035	Aerosol

# ULTRAFORM COLD METAL FORMING

The **ULTRAFORM** range of cold metal forming lubricants have been developed to provide extended tool life, prevent metal pick up and scoring and increase production rates.

All the products in the range are suitable for blanking, piercing and forming of difficult materials in complex and severe shapes.



## ULTRAFORM 1030

A high performance cold metal forming lubricant developed for general purpose use across a wide range of applications. Suitable for use on stainless steel and a wide range of ferrous and non-ferrous metals including titanium and nickel alloys. Use neat or dilute with mineral oil.

Part Code	Unit Size
86083	20L
86089	200L

## ULTRAFORM 1050

High performance, light viscosity cold metal forming lubricant - designed for use with ferrous and non-ferrous metals including galvanised and zintec coated steels. Works as a vanishing film, eliminating the need to degrease components in some circumstances. Neat-use as supplied.

Part Code	Unit Size
86103	20L
86109	200L

## ULTRAFORM 1060

Light duty, very fast drying cold metal forming lubricant - designed for use with ferrous and non ferrous metals including galvanised and zintec coated steels. Works as a vanishing film, ultra light film eliminates need to degrease in some circumstances. Neat-use as supplied.

Part Code	Unit Size
86213	20L
86219	200L

## ULTRAFORM 2010

A water mix product designed for the most severe cold metal forming operations. Particularly suitable for use on heavy gauge ferrous and non ferrous metals including stainless steel, titanium and nickel alloys.

Part Code	Unit Size
86043	20L
86049	200L

## ULTRAFORM 2020

A high performance heavy duty EP forming lubricant, formulated for heavy duty forming operations on ferrous and non-ferrous metals. Superior load carrying characteristics reduce metal pick up and scoring. May be used neat or diluted with water or mineral oil.

Part Code	Unit Size
86113	20L
86119	200L

## ULTRAFORM 2030

General purpose, high performance, water mix cold metal forming lubricant suitable for use with medium/light gauge metals including titanium, nickel alloys, stainless steel, zinc and aluminium. Suitable for some heavy duty operations when used neat.

Part Code	Unit Size
86013	20L
86019	200L

## ULTRAFORM 2530

General purpose, high performance chlorine free, water mix cold metal forming lubricant. Suitable for light/medium duty forming operations on ferrous and non-ferrous metals. Suitable for some heavy duty operations when used neat.

Part Code	Unit Size
86233	20L
86239	200L

## ULTRAFORM ADVANTAGE

A high performance chlorine free product which provides outstanding economy in use and minimal scrap. For the most difficult operations, the product should be used undiluted to provide the highest levels of performance. Where economy is required the wide dilution range enables the product to be extended using either oil or water. Suitable for some heavy duty operations when used neat.

Part Code	Unit Size
86273	20L
86279	200L



# FORMING LUBRICANT SELECTION CHART

OPERATION	ULTRAFORM 1030	ULTRAFORM 1050	ULTRAFORM 1060	ULTRAFORM 2010	ULTRAFORM 2020	ULTRAFORM 2030	ULTRAFORM ADVANTAGE	ULTRAFORM 2530
	NEAT OILS			WATER EXTENSIBLES			CHLORINE FREE WATER EXTENSIBLES	
BLANKING	***	***	***	***	***	***	***	***
PERFORATING	***	**	**	~	**	~	**	**
DRAWING	**	*	*	***	***	***	***	***
EXTRUDING	~	~	~	***	**	***	**	*
FORMING	***	*	*	***	***	***	***	**
PIERCING	***	**	**	***	**	***	***	**
SWAGING	**	~	~	***	**	***	***	**
SPINNING	~	~	~	**	~	**	~	~
LAMINATING	*	**	~	**	*	***	*	*

\*\*\* EXCELLENT PERFORMANCE    \*\* VERY GOOD PERFORMANCE    \* GOOD PERFORMANCE    ~ NOT NORMALLY RECOMMENDED



## DUTY

EXTRA SEVERE				*				
SEVERE	◆			*	*		*	
HEAVY	◆			*	*	*	*	*
MEDIUM	◆	◆			*	*	*	*
LIGHT	◆	◆	◆			*		



## TYPE OF METAL

STEEL	◆	◆	◆	*	*	*	*	*
STAINLESS	◆			*	*		*	
ALUMINIUM	◆	◆	◆		*	*		*
COPPER		◆	◆			*		*
BRASS		◆	◆			*		*
ZINC	◆	◆	◆		*	*		*
NICKEL ALLOY	◆	◆		*	*	*		
TITANIUM	◆			*	*	*		



◆ DENOTES ACCEPTABLE    \* DENOTES ACCEPTABLE BUT REFER TO DATA SHEET FOR DILUTION RATIOS

## APPLICATION METHOD

LUBE-SYSTEM	✓	✓	✓	X	✓	✓	✓	✓
ROLLER COAT	✓	✓	✓	✓	✓	✓	✓	✓
DRIP	✓	✓	✓	✓	✓	✓	✓	✓
FLOOD	✓	X	X	X	X	✓	X	✓
MANUAL	✓	✓	✓	✓	✓	✓	✓	✓

## CLEANING

ALKALI	✓	✓	✓	✓	✓	✓	✓	✓
VAPOUR	✓	✓	✓	✓	✓	✓	✓	✓

✓ DENOTES SUITABILITY    X DENOTES NOT SUITABLE



# INDUSTRIAL ADHESIVES

ROCOL Industrial Adhesives have been developed to solve many of today's engineering challenges throughout all modern industrial business sectors including original equipment manufacturers as well as facilities dedicated to maintenance, repair and overhaul.



## THREAD LOCKING

- Designed to resist vibration
- Low to high strength grades
- Single part – allows threaded parts to be reused
- Can be used on all sizes of fasteners – inventory costs are reduced
- Threads are completely sealed against leaks and corrosion

### X12-22 SCREWLOCK

For low strength thread locking. Easy dismantling of adjustment screws, set screws and small fasteners. Replaces all types of locking fasteners including nylock nuts, star washers, spring washers and nylon patches. Use on low strength metals such as brass and aluminium – prevents stripped threads. Diameter-Maximum Gap (mm): M36 - 0.20mm. Locking Torque M10 (N.m): 4 - 7Nm. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73003	50ml
73006	250ml

### X12-42 NUTLOCK

For medium strength thread locking. Oil tolerant grade. For all types of metal threaded fasteners. Prevents loosening of rotating and vibrating components in gear boxes, pumps, engines, presses and electrical motors. Use on parts that may need disassembling during maintenance schedules. Diameter-Maximum Gap (mm): M36 - 0.25mm. Locking Torque M10 (N.m): 14 - 22 Nm. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73013	50ml
73016	250ml

### X12-70 STUDLOCK

For high strength thread locking. For permanently locking mounting studs into pump housings, manifold assemblies, thread inserts and engine blocks. Use on all types of metal threaded fasteners. Only use on parts that will NOT require dismantling. Diameter-Maximum Gap (mm): M20 - 0.15mm. Locking Torque M10 (N.m): > 30 Nm. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73023	50ml
73026	250ml

### X12-77 BOLTLOCK

For high strength thread locking. Non run formulation for difficult to access applications. Designed for large thread forms up to M50. Use on all types of metal threaded fasteners. Recommended for permanently locking mounting studs, rail track bolts and any large fasteners used in the construction industry. Diameter-Maximum Gap (mm): M50 - 0.30mm. Locking Torque M10 (N.m): 25 - 35 Nm. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73033	50ml
73036	250ml

### X12-90 PENETRATING

A medium strength penetrating grade designed for the sealing of hairline cracks and micro porosities found within metal components, its low viscosity characteristics allows the sealing and securing of nuts and bolts after the assembly is complete. Temperature Range: -55 to 150°C.

Part Code	Unit Size
73043	50ml
73046	250ml

## INSTANT ADHESIVES

- Fixtures in seconds – providing increased production rates
- Best suited for small parts bonding
- Versatility – ensures dissimilar materials can easily be bonded
- High strength – often giving a bond stronger than the materials being bonded
- Bond line is clear – ensuring a good visual appearance

### X14-01 UNIVERSAL

General purpose instant adhesive. Bonds a wide range of materials such as metals, card, fabric, wood plastics and rubbers. High strength bond in seconds. Fixing Time (Seconds): 2 - 5 sec. Temperature Range: -50 to +80°C.



Part Code	Unit Size
73093	20g
73096	500g

### X14-06 RUBBER & PLASTIC

For the bonding of rubbers and plastics. Rapidly bonds many types of rubbers and plastics including elastomers and EPDM rubbers. Often stronger than the substrate being bonded. Very fast cure time. Fixing Time (Seconds): 1 - 2 sec. Temperature Range: -50 to +80°C.



Part Code	Unit Size
73103	20g
73106	500g

### X14-31 UNIVERSAL HIGH VISCOSITY

A fast curing medium viscosity instant adhesive, designed to bond instantly a wide range of materials such as metals, plastics, and elastomeric materials in addition this product is suited for the bonding of porous materials. Temperature Range: -50 to 80°C.

Part Code	Unit Size
73143	20g
73146	500g

### X14-54 GEL

Non run general purpose instant adhesive. Bonds a wide range of materials including leather, metals, wood, paper, card, composite materials, unglazed ceramics and foams. For applications that require full control in difficult to apply areas. Allows a greater time for positioning. Fixing Time (Seconds): 5 - 15 sec. Temperature Range: -50 to +80°C.

Part Code	Unit Size
73113	20g

### X14-60 LOW ODOUR

For applications on delicate and electronic assemblies. Will not cause fogging on optical components or where the appearance is critical and unmarked surfaces are required. Low odour ensures best working conditions for employees. Fixing Time (Seconds): 8 - 15 sec. Temperature Range: -50 to +80°C.



Part Code	Unit Size
73123	20g
73126	500g

### X14-80 TOUGH

Rubber toughened instant adhesive. For bonding small metal to metal or rubber to metal components. Black in colour. Designed to resist shock loads and high shear forces. High humidity resistance. Fixing Time (Seconds): 60 - 120 sec. Temperature Range: -50 to +80°C.



Part Code	Unit Size
73133	20g
73136	500g



## GASKETING

- Excellent oil and chemical resistance
- One product for any size, type or shape of gasket
- Resists high pressure when fully cured

### X15-18 FAST GASKET

Fast curing flexible liquid gasket to replace pre-cut gaskets. Designed for rigid metal flange faces especially aluminium. Instant seal and fills gaps up to 0.5mm. Excellent oil and chemical resistance. Ideal for sealing motors, transmission assemblies and gearboxes. Maximum Gap Filling (mm): 0.50mm. Adhesive Strength (N mm<sup>2</sup>): 7 - 10 N/mm<sup>2</sup>. Temperature Range: -55 to +150 °C.



Part Code	Unit Size
73193	50ml
73196	300ml

### X15-74 MULTI GASKET

General purpose flange sealant. Designed to replace pre-cut gaskets. Seals on damaged flange faces and fills gaps up to 0.5mm. Very fast curing product even at low temperatures. Ideal for sealing, drive axles, gearbox and pump housings. Maximum Gap Filling (mm): 0.50mm. Adhesive Strength (N mm<sup>2</sup>): 17 - 22 N/mm<sup>2</sup>. Temperature Range: -55 to +150 °C.



Part Code	Unit Size
73203	50ml
73206	300ml

## THREAD SEALING

- Instant low pressure seal for all types of pipe connections
- Fittings can be easily dismantled with normal hand tools
- Replaces PTFE tape, hemp and pastes
- Excess product will not cause a blockage – easily flushed away

### X15-42 HYDRAULIC SEAL

Use on fine threaded fittings up to 20mm diameter. For both hydraulic and pneumatic systems. Locks and seals providing structural integrity. Vibration Resistant. Diameter-Maximum Gap (mm): 20mm Dia. - 0.15mm. Locking Torque M10 (Nm): 14 - 20 Nm. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73263	50ml
73266	250ml

### X15-72 LIQUID PTFE

Recommended for all metal coarse threads up to 76mm diameter. Will seal to burst pressure of the pipe work when fully cured. Ideal for complex systems requiring a slow curing product. Removes the need to over tighten, allowing the perfect alignment of fittings and valves. Diameter-Maximum Gap (mm): 76mm Dia. - 0.3mm. Locking Torque M10 (Nm): 5 - 8 Nm. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73273	50ml
73276	250ml

### X15-77 PIPE SEAL

Use on all metal pipe joints and thread forms up to 76mm diameter. General purpose thread sealant. Replaces all other types of sealing compounds and tapes. Provides a very fast cure even at low temperatures. Can be used on outdoor applications and external plant and equipment. Diameter-Maximum Gap (mm): 76mm Dia. - 0.5mm. Locking Torque M10 (Nm): 15-20 Nm. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73283	50ml
73286	250ml

## RETAINING

- Designed for the bonding and securing of cylindrical components
- Eliminates the need for expensive close machined tolerances
- Total surface contact ensures all loads and stresses are distributed evenly over the entire joint
- All surface voids are filled – preventing an ingress of corrosive substances, eliminating backlash and fretting
- High, medium and low strength products ensure the correct product selection

### X16-01 RETAINER

Oil tolerant grade for application when degreasing is not possible. Replaces the need for interference fits, pins, keys, screws and splines. Restores or strengthens press fits on shafts, bushes, rotors and many other cylindrical components. Maximum Gap Filling (mm): 0.15mm. Shear Strength (DIN54452) (N/mm<sup>2</sup>): 18 - 26 N/mm<sup>2</sup>. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73343	50ml
73346	250ml

### X16-38 HIGH STRENGTH

Provides the greatest resistance to axial, radial and dynamic loading. Increases torsional strength allowing slip fitted parts to resist higher cyclic loads. Designed for the retaining of gears, pulleys, drive keys, shafts and all other types of cylindrical parts. Maximum Gap Filling (mm): 0.20mm. Shear Strength (DIN54452) (N/mm<sup>2</sup>): 25 - 30 N/mm<sup>2</sup>. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73353	50ml
73356	250ml

### X16-41 BEARING FIT

Specifically designed for components that may require dismantling during routine maintenance. Use on assemblies such as bearings onto motor and drive shafts, bushes and sleeves. Parts can be dismantled using ordinary tools. Eliminates the need to metal spray, sleeve or build and re-machine worn housings and shafts on equipment. Maximum Gap Filling (mm): 0.15mm. Shear Strength (DIN54452) (N/mm<sup>2</sup>): 8 - 12 N/mm<sup>2</sup>. Temperature Range: -55 to +150°C.



Part Code	Unit Size
73363	50ml
73366	250ml

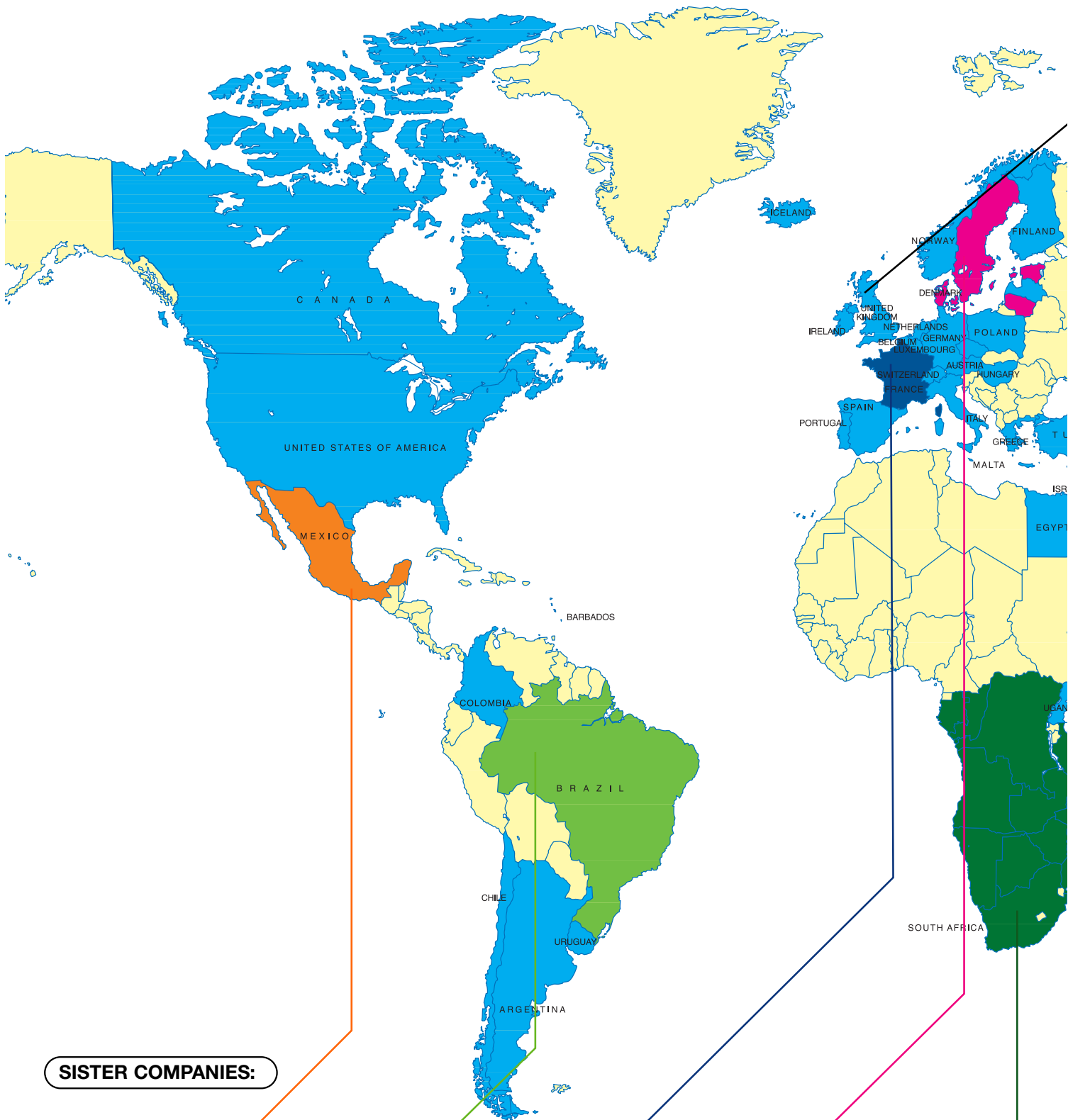
### X16-48 HIGH TEMPERATURE RETAINER

A high strength heat resistant adhesive designed for the bonding of cylindrical components, in addition to providing excellent adhesion to smooth surfaces and high solvent resistance. Temperature Range: -55 to 175°C.

Part Code	Unit Size
73373	50ml
73376	250ml



# ROCOL LUBRICANTS AROUND THE WORLD



**SISTER COMPANIES:**

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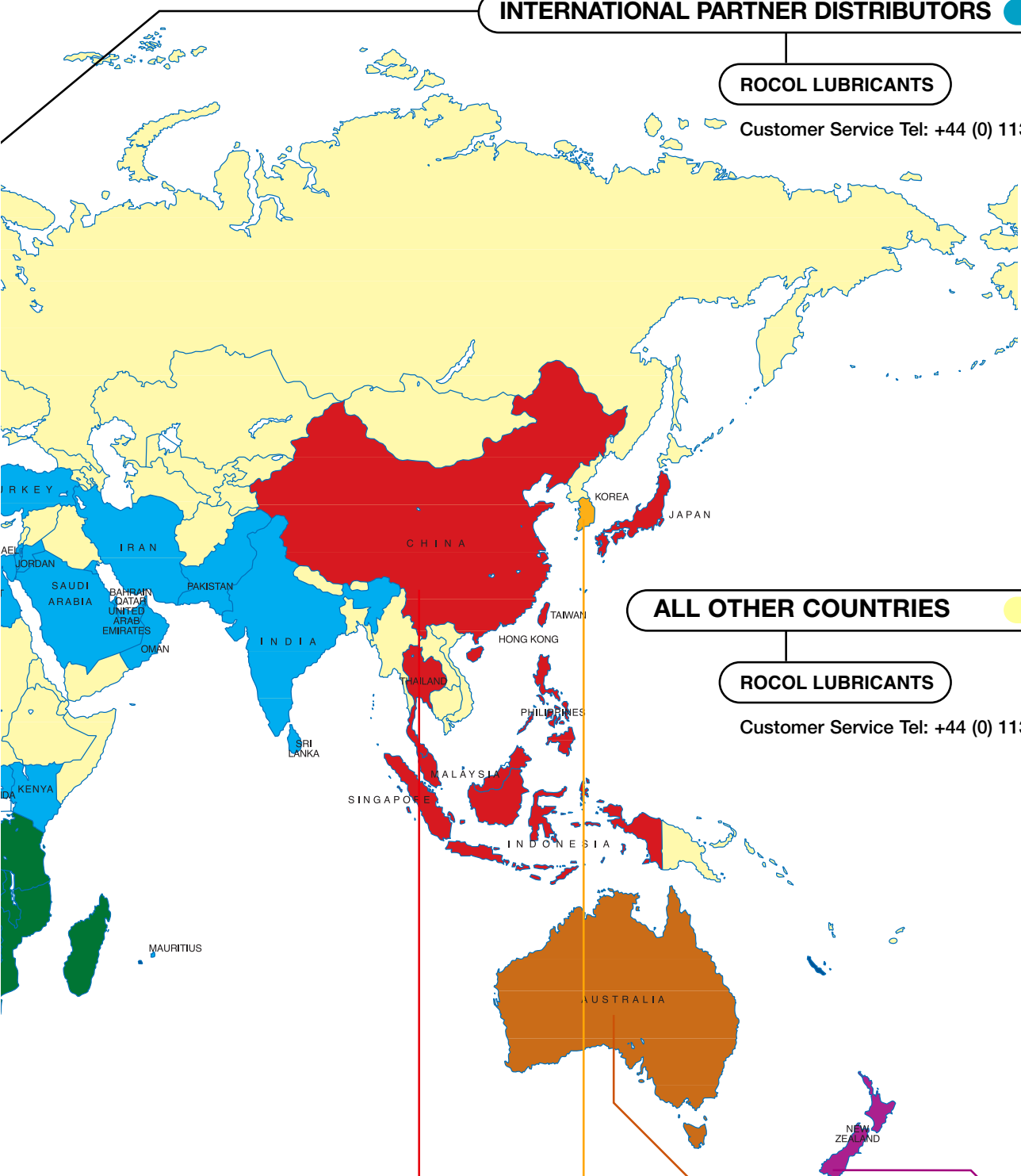
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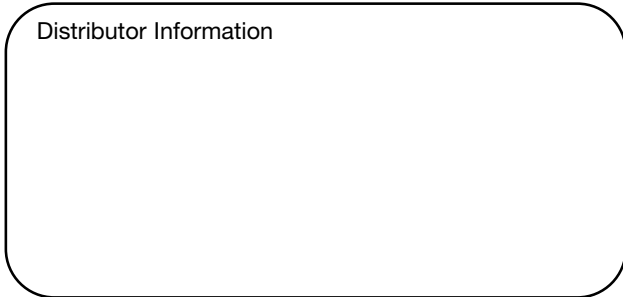
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BS EN ISO 14001  
Certificate No. EMS 67596

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