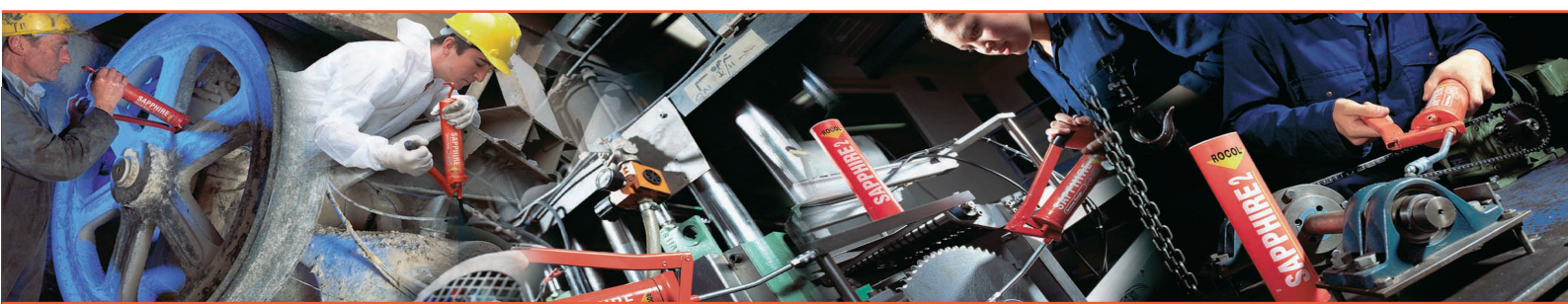




PRODUCT BROCHURE

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 lubricants

SAPPHIRE 2



Triple life bearing grease

SAPPHIRE PREMIER



High temperature grease for maximum bearing life

SAPPHIRE SPRAY GREASE



High performance multi-purpose grease

SAPPHIRE 1 UNILUBE



Automatic lubrication with Sapphire triple life bearing grease

FOODLUBE UNIVERSAL



Food grade grease for maximum bearing life



FOODLUBE SPRAY



High performance food grade lubricant



FOODLUBE CHAIN SPRAY



Food grade lubricant for maximum chain life



PRECISION SILICONE SPRAY



Clean, non toxic high performance lubricant



DRY PTFE SPRAY



Premium performance dry film lubricant



DRY MOLY SPRAY



Extreme load dry film lubricant

SAPPHIRE PRECISION LUBE



5 times more wear resistance

CHAIN & DRIVE SPRAY



Triple life chain protection

CHAIN GUARD HI-LOAD



Triple life chain protection

BELT DRESSING SPRAY



Eliminates belt slip and maximises belt life



ANTI-SEIZE COMPOUND



Copper based anti-seize compound - zero corrosion

ANTI-SEIZE SPRAY



Copper based anti-seize spray - zero corrosion

PENETRATING SPRAY



Extreme performance Moly reinforced release spray

COLD GALVANISING SPRAY



Zinc rich, long term corrosion protection

FOAM CLEANER SPRAY



Powerful fast acting foodsafe foam cleaner



INDUSTRIAL CLEANER SPRAY



Fast evaporating multi-purpose cleaner

ELECTRA CLEAN SPRAY



High performance zero residue electrical cleaner



WIRE ROPE SPRAY



Zero corrosion, triple penetration wire rope lubricant

TUFGEAR SPRAY



Double life open gear lubricant

LEAK DETECTOR SPRAY



Instant leak detector spray

GASSEAL



High performance non setting pipe sealant

lubrication needs are contained within the range of fast moving small pack consumables

metalworking lubricants

TRI-Logic RTD  Tapping fluid that fortifies cutting fluid	RTD LIQUID  Metal cutting liquid which doubles tool life	RTD SPRAY  Metal cutting lubricant which doubles tool life
RTD COMPOUND  Metal cutting compound which doubles tool life	RTD CLEANCUT  Sulphur and chlorine free tapping fluid	RTD FOAMCUT  Foaming lubricant which doubles tool life
SPATTER RELEASE SPRAY  Triple coverage non flammable spatter release	SPATTER RELEASE FLUID OIL FREE  Paintable water based spatter release	WELDMATE SPATTER OFF SPRAY  Water based spatter release
FLAWFINDER CLEANER SPRAY  Fast drying, no residue cleaner	FLAWFINDER DYE PENETRANT SPRAY  Precision crack detection penetrant	FLAWFINDER DEVELOPER SPRAY  Precision crack detection developer
RS-7 SPRAY  Long lasting silicone free mould release	PR SPRAY  Long lasting silicone mould release	MOULD RELEASE SPRAY  Long lasting PTFE mould release
ULTRAGLIDE SPRAY & FLUID  Total protection slideway lubricant	LAYOUT INK SPRAY BLUE  Ultimate metal layout ink for bright metal surfaces	LAYOUT INK SPRAY WHITE  Ultimate metal layout ink for dark metal surfaces
MOISTURE GUARD SPRAY GREEN		
 5 year indoor corrosive protective	MOISTURE GUARD SPRAY CLEAR	
	 5 year indoor corrosive protective	

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 1.25×10^6 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 MoS₂ (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
CHAIN & DRIVE SPRAY	-30°C to +150°C	*			**	**		
CHAIN & DRIVE FLUID	-15°C to +120°C	*			**	*		
CHAIN GUARD HI LOAD SPRAY	-30°C to +180°C		*		**	**	MoS ₂	
CHAIN GUARD 230	+10°C to +230°C		*		*			
CHAIN GUARD 280	+10°C to +280°C				*			
CHAIN GUARD 550	-10°C to +550°C		*				GRAPHITE	
DRY MOLY FLUID	-50°C to +450°C (Dry film above +180°C)		*	**	*		MoS ₂	
FOODLUBE CHAIN FLUID	-20°C to +150°C		*		**	**		YES
FOODLUBE CHAIN SPRAY	-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 MoS₂ (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_2 (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 $+100^\circ\text{C}$.

Part Code	Unit Size
20026	4kg
20024	18kg

WIRE ROPE SPRAY

Aerosol applied wire rope lubricant containing MoS_2 (moly) and other anti-wear additives. Leaves a film which gives similar operating characteristics to ROCOL WIRE ROPE DRESSING. Temperature range -30°C to $+100^\circ\text{C}$.

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_2 (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 $+100^\circ\text{C}$.

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 $+100^\circ\text{C}$.



Part Code	Unit Size
19044	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.

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.

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.

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.

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.

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.

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.

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
69515	Aerosol

Part Code	Unit Size
69100	Aerosol

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

Part Code	Unit Size
69063	20L
69069	200L

Part Code	Unit Size
37103	450g
37104	18kg

Part Code	Unit Size
37008	20L
37009	200L

Part Code	Unit Size
37018	20L
37019	200L

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

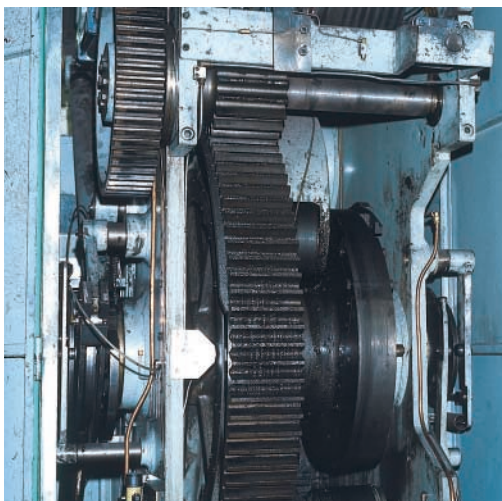
Extremely adhesive water resistant lubricant with excellent water displacing properties which provides good corrosion protection and long term lubrication. Can be applied to wet surfaces. Use on sliding surfaces, gears, slow speed bearings and outdoor equipment or wherever a heavy duty lubricant is required, 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.

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.

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.

INDUSTRIAL CLEANER RAPID DRY SPRAY

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

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.

QUICK & CLEAN

Heavy duty waterless hand cleaning wipes for the quick, efficient removal of the heaviest soils. Quick & Clean 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. Quick & Clean leaves the hands clean, protected and conditioned.



Part Code	Unit Size
34066	Aerosol

Part Code	Unit Size
34141	Aerosol

Part Code	Unit Size
34011	Aerosol
34014	5L

Part Code	Unit Size
34131	Aerosol

Part Code	Unit Size
34166	5L
34168	20L

Part Code	Unit Size
34100	Tub



ASSEMBLY & DRY FILM LUBRICANTS

Provide either a totally or almost dry thin MoS₂ (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 MoS₂ (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.

DRY MOLY PASTE

A soft paste with high MoS₂ (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.

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.

MT-LM ASSEMBLY AND RUNNING-IN PASTE

A soft, greasy paste with a high content of MoS₂ (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.

OXYLUBE SPRAY

An aerosol applied, thin lubricating film of MoS₂ (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
10025	Aerosol

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

Part Code	Unit Size
10205	5L

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

Part Code	Unit Size
10125	Aerosol



APPLICATION	METHOD	PRODUCT
ASSEMBLY / RUNNING IN	BRUSH/SWAB	MTLM
	AEROSOL	DRY MOLY SPRAY
DRY FILM LUBRICATION	AEROSOL	DRY MOLY SPRAY
	BRUSH/SWAB	DRY MOLY PASTE
	BRUSH/DIP/SPRAY	DRY MOLY FLUID
OXYGEN OR VACUUM ENVIRONMENTS	AEROSOL	OXYLUBE SPRAY

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 52529	20L 200L
32	52545 52549	20L 200L
46	52555 52559	20L 200L
68	52565 52569	20L 200L
100	52575 52579	20L 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
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28042	300g
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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
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28022	300g
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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
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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
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30022	375g
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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
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30042	400g
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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
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30051	375g
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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 (dependant on joint fitting)	-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
- Fully automatic
- Consistent delivery
- Up to 1 year automatic delivery



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

FOODLUBE UNILUBE

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



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	-

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



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

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



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 its alloys.

TRI-Logic ALX

Maximum Life Cutting Fluid For Roll Tapping

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

TRI-Logic BF

Maximum Life Boron & Amine Free Cutting Fluid

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

TRI-Logic EP

Maximum Life Extreme Pressure Cutting Fluid

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

TRI-Logic FE

Maximum Life Cutting Fluid For Ferrous Materials

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

TRI-Logic ML

Maximum Life Cutting Fluid

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

Part Code	Unit Size
51884	60L
51889	200L

Part Code	Unit Size
51954	60L
51959	200L

Part Code	Unit Size
51549	200L

Part Code	Unit Size
51894	60L
51899	200L

Part Code	Unit Size
52154	60L
52159	200L

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.

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
52123	20L
52124	60L
52129	200L

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

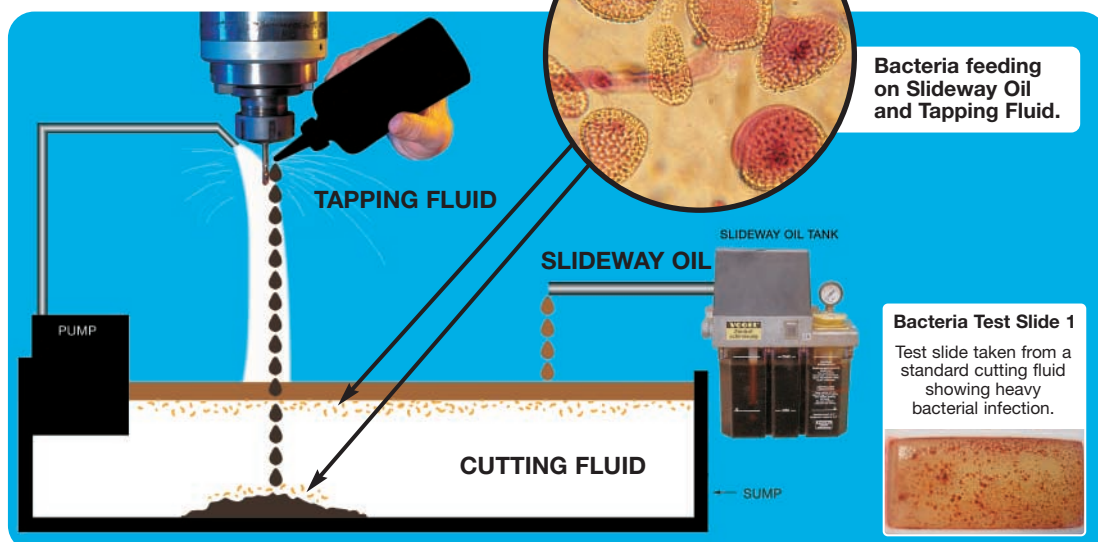
53006

5L

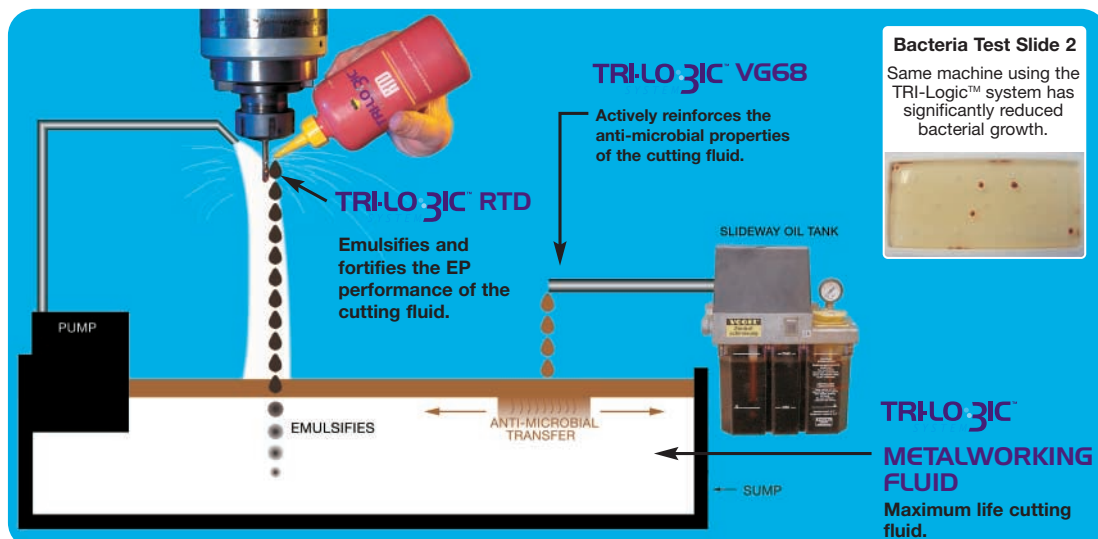
53008

20L

CURRENT PROBLEM



TRI-LOGIC™ SOLUTION



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.

ULTRACUT 250 HW

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

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.

ULTRACUT 255 HW

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

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.

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.

ULTRACUT 280A HW

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



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

Part Code	Unit Size
51483	20L
51489	200L

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

Part Code	Unit Size
51473	20L
51479	200L

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

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

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

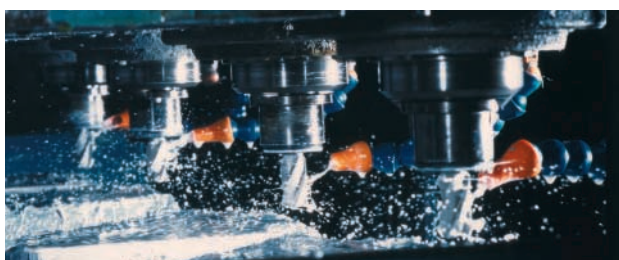
A general purpose synthetic grinding fluid, suitable for use with all types of grinding wheels. Use for light to medium surface and cylindrical grinding operations.

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

CUTTING

	ULTRACUT 250 PLUS	ULTRACUT 250HW	ULTRACUT 255	ULTRACUT 255HW	ULTRACUT 260	ULTRACUT 280 PLUS	ULTRACUT 280A	ULTRACUT 370 PLUS	ULTRACUT 380 H	ULTRACUT 320	ULTRACUT 620	ULTRAGRIND 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								
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.

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.

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.

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.

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.

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.



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

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

Part Code	Unit Size
53011	Aerosol

Part Code	Unit Size
53041	Aerosol

Part Code	Unit Size
53062	350g
53066	5L

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 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 EXTENDIBLES			CHLORINE FREE WATER EXTENDIBLES	
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	✓	✓	✓	✗	✓	✓	✓	✓
ROLLER COAT	✓	✓	✓	✓	✓	✓	✓	✓
DRIP	✓	✓	✓	✓	✓	✓	✓	✓
FLOOD	✓	✗	✗	✗	✗	✓	✗	✓
MANUAL	✓	✓	✓	✓	✓	✓	✓	✓

CLEANING

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

✓ DENOTES SUITABILITY

✗ DENOTES NOT SUITABLE