

HIGH PERFORMANCE
SPECIALIZED LUBRICANTS & MRO SOLUTIONS



DELIVERING **DEPENDABLE** & **CONSISTENT** INDUSTRIAL SOLUTIONS

PRODUCT CATALOG



HIGH PERFORMANCE MRO MAINTENANCE PRODUCTS



PRECISION CLEANERS

Formulated specially for use on sophisticated equipment for increasing the reliability of equipment performance, these fast drying cleaning agents are nonconductive, do not leave any residue and are non-toxic. They are safe to use on most plastics, metals, rubbers, elastomers, similar insulating materials; do not contain CFC's, chlorinated solvents or ODCs and are RoHS compliant.



CLEANERS / DEGREASERS

Environmentally and personnel safe, non toxic, industrial strength cleaners / degreasers for the toughest cleaning applications. These are formulated with environmentally safe ingredients free from harmful chlorinated solvents, CFCs and ODCs, as well as readily biodegradable, natural and aqueous cleaning formulations meeting performance levels to that of solvent based products.



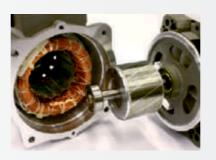
MRO MAINTENANCE AIDES

Complete range of MRO products which are indispensable consumables for any type of maintenance activity be it scheduled, preventive or corrective. They are available in convenient aerosol spray packs and depending on the application as well as economy of use some products are available in bulk pack sizes as well.



CORROSION INHIBITORS

Highly dependable formulations in the form of protective oils, waxes and coatings designed to offer maximum protection ranging from short to medium to long term intervals for a variety of metal surfaces from moisture and chemicals during storage, operation or shipment. Based on the latest in additive technology, our products are safe, non toxic, easy to use and are free from ingredients such as barium or nitrites and comprise ingredients safe for worker, plant and environment safety.



ELECTRICAL SPECIALITIES

Consist products for increasing the reliability of equipment performance by effectively protecting electronic / electrical equipment from moisture, corrosion and other adversities. Formulated are a range of protective conformal coatings, insulating varnishes and anti track coatings.





HIGH PERFORMANCE SPECIALIZED LUBRICANTS



PASTES

Designed for extreme applications as they are formulated to perform by reacting tribo-chemically with metal surfaces to form thin, adhesive, high film strength protective layers of compressed solid lubricants between the contact surfaces thereby eliminating metal-to-metal contact and prevent wear, friction, heat freeze, seizure especially in areas where high surface pressures and temperatures, low operational speeds, aggressive and harsh operational conditions exist.



LUBRICATING GREASES

Extensive line of industrial lubricating greases based on traditional mineral oils as well as new generation, high tech synthetic base fluids as esters, glycols, synthetic hydrocarbons, PFPEs, silicones... designed for use under extreme conditions like extreme pressures, low and high temperatures, low to high speeds, aggressive and chemical environment. Available an extensive product line of lubricating greases in various consistencies extending to semi fluid grades.



LUBRICATING FLUIDS

Range of high tech synthetic lubricating fluids for applications that demand higher and better performance, low and high temperature withstanding abilities, reduced time intervals for maintenance, reduction in lubricant consumption and more cleanline KAISER INDUSTRIES Ltd. offers a broad product profile for chain and conveyor lubrication, gearbox fluids, silicones, fully colloidal suspensions of lubricating solids in oil, all designed for achieving higher and better performance.



DRY FILM LUBRICANTS

Air dry or heat cure type based on various solid lubricants as Molybdenum Disulfide, Graphite & PFTE selected for their load carrying ability, low friction, high temperature stability, chemical inertness and ability for providing long life dry film lubrication without accumulation of any dirt or dust especially for metal parts working in highly abrasive conditions. For ease of application, some are also available in aerosol spray packs. The bulk versions can be applied by conventional paint application methods.





YOUR RELIABLE PARTNER WHEN APPLICATIONS



Reduce Operating Costs

Frequent breakdowns, costly replacements, extended downtime, frequent relubrication, product duplication and inventory costs, unproductive wastage of manpower and resources increase your operating and production costs in today's highly competitive markets besides the underlying factor of unreliability of equipment performance and inability of achieving optimum productivity within the existing resources.

Effective Solutions

Right from OEM design levels of industrial machinery to production, maintenance, protection and operation stage, KAISER INDUSTRIES Ltd. offers a complete range of specialized lubricants and technical chemical to help you increase productivity as well as profits by way of providing smooth, heavy duty, high performance lubrication and protection under the toughest of operating conditions without unsolicited breakdown and frequent replacement of costly machine parts.

Industrial MRO Solutions

Whether you require a special purpose lubricant, a precision cleaner / degreaser or a corrosion inhibitor, KAISER INDUSTRIES Ltd. product lines are there to service practically every need; be it for Maintenance, Repair or Operations.

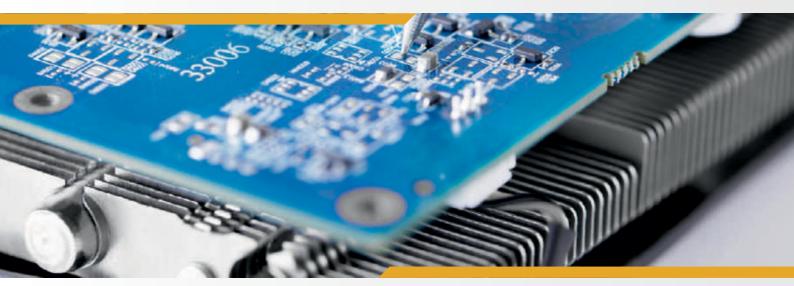
Where applications demand high performance under critical operating conditions of heavy loads, high temperatures, varying speeds and adverse operating environments; dependable and consistent solutions are required.

KAISER INDUSTRIES Ltd. products are designed to meet such demanding challenges to ensure smooth operations and production processes besides extending equipment wear life and also enhance productivity and profitability by reducing operational costs and breakdowns.

Benefit from us

Our extensive research backed by experience of over 45 years in today's complex environment of highly modern manufacturing industrial processes allows us to understand better and offer effective solutions committed to fulfilling your requirements.

DEMAND HIGHER PERFORMANCE





KAISER INDUSTRIES Ltd. Introduced the POLYKOTE line of solid film lubricants for tribological applications manufactured in India for the first time.

Since then, KAISER INDUSTRIES Ltd. has added a range of high quality specialized lubricants and technical chemicals extending life and performance of equipments all of which are designed to meet our customer's requirements for Maintenance, Repair, and Operational applications.

KAISER INDUSTRIES Ltd. has its manufacturing plant located In J&K, Haryana & Gujarat industrial sector by way of immediate access and proximity to major ports, airports and an highly efficient surface artery for distribution all over India.

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Liquid Dye Penetrants

MOLD MAINTENANCE

Mold Release, Cleaning, Protection Sprays

NON DESTRUCTIVE TESTING AIDES



PASTES I ASSEMBLY & THREADED PARTS, MoS₂ BASED



Benefits

- Extremely wide service temperature range of -25°C to +450°C (up to +630°C in areas with restricted air access).
- Low coefficient of friction.
- · High pressure withstanding capacity.
- Load bearing capacity exceeds the yield point of most metals.
- Offer protection from wear and friction.
- Eliminate metal-to-metal contact.
- Prevent seizure, scoring, galling, fretting corrosion and stick slip.
- Make disassembly easier and non-destructive irrespective of operational period or conditions.
- Economical to use owing to high surface coverage capacity.
- Aid running in and provide emergency lubrication during start ups.
- Prevent cold welding and stick slip.
- · Good affinity for metal surfaces.

Applications

- For running-in, metal priming paste for all new or rebuilt mechanical equipment such as journal bearings, gear boxes, splines.
- For use as press-fitting lubricants to reduce press-fitting power required and prevent misalignment, seizure, wear, distortion especially under heavy load conditions.
- For lubrication of all sliding metal surfaces to reduce wear, friction and prevent cold-welding of surfaces such as for shafts, bushes, splined shafts, pumps, valves, threaded spindles, toothed gears, worm gears and transmission gears, lead screws, machine tool guides, pumps, flanges, anti friction bearings.
- As antifriction and anti wear lubricants for heavily loaded surfaces under slow sliding speeds for preventing cold welding of sliding surfaces under heavy loads.

Product	Nomeclature	Туре	Properties		Packaging
RG	MoS₂ Assembly Paste	MoS₂ graphite white solid lubricants partly synthetic oil inorganic thickener	Color Density, g/ml Drop point, °C Operating temperature, °C	gray black 1.30-1.60 none -25 to +450	1 kg 5 kg
G 200 Spray	RG paste in aerosol form for ease of application				400 ml spray
RAP	MoS₂ Rapid Assembly Paste	MoS₂ solid lubricants partly synthetic oil	Color Density, g/ml Drop point, °C Operating temperature, °C	gray black 1.30-1.60 none -40 to +450	1 kg
G 100 Spray	RAP paste in aerosol form for ease of application				400 ml spray
Moly 50	MoS₂ Paste with 50% molybdenum disulfide	MoS ₂ solid lubricants synthetic oil lithium soap	Color Density, g/ml Drop point, °C Operating temperature, °C	gray black 1.30-1.60 +185 -25 to +450	1 kg
Molyrap Spray	Moly 50 paste in aerosol form for ease of application				400 ml spray
Moly 65	MoS₂ Paste with 65% molybdenum disulfide	MoS₂ solid lubricants synthetic oil lithium soap	Color Density, g/ml Drop point, °C Operating temperature, °C	gray black 1.30-1.60 +185 -25 to +450	1 kg
RU	MoS₂ paste in non carbonizing oil carrier.	MoS₂ solid lubricants polyglycol fluid lithium soap	Color Density, g/ml Drop point, °C Operating temperature, °C - oil evaporates at - solid lubrication	gray black 1.70-1.80 +185 -25 to +450 +200 +450	1 kg



PASTES I ASSEMBLY & THREADED PARTS, METAL BASED



Product	Benefits / Applications	Туре	Properties	
ASTC Antiseize Paste Copper based	 For assembly of all threaded connections exposed to high temperatures and corrosive conditions to make disassembly easy and non-destructive even after long operational periods. Ensures consistent tightening of threaded connections and provides an optimum balance between torque required to tighten and pretension. Prevents bolt breaking, sintering, fusion, seizure, thread striping and distortion of threads. Protects from corrosion even when exposed to saline conditions. 	copper powder solid lubricants partly synthetic oil inorganic thickener Packaging 100 g 500 g brushtop 1 kg 5 kg	Color Density, g/ml Drop point, °C Unworked Penetration Operating temperature, °C	copper brown 1.20-1.40 none 280-310 -30 to +1100
Copr Lube Antiseize Paste Copper based	 For assembly of all threaded connections exposed to high temperatures and corrosive conditions to make disassembly easy and non-destructive even after long operational periods. Prevents bolt breaking, sintering, fusion, seizure, thread striping and distortion of threads. Protects from corrosion even when exposed to saline conditions. 	copper powder solid lubricants partly synthetic oil inorganic thickener Packaging 500 g brushtop 1 kg 5 kg 15kg	Color Density, g/ml Drop point, °C Unworked Penetration Operating temperature, °C	copper 1.25-1.35 none 250-280 -18 to +1100
CP 30 Antiseize Paste Copper based Highly Adhesive	 For assembly of all threaded connections exposed to high temperatures and corrosive conditions to make disassembly easy and non-destructive even after long operational periods. Prevents bolt breaking, sintering, fusion, seizure, thread striping and distortion of threads. Protects from corrosion even when exposed to saline conditions. 	copper powder solid lubricants partly synthetic oil inorganic thickener Packaging 1 kg	Color Density, g/ml Drop point, °C Unworked Penetration Operating temperature, °C	copper 1.00-1.20 none 320-370 -30 to +650
Nikkel Lube Antiseize Paste Nickel based	 Enables fast and rapid assembly and non-destructive disassembly. Does not contain any ingredients that may poison reactor catalyst beds. Safe for use in presence of ammonia, acetylene and vinyl monomers. For use on all high strength alloys, stainless steel and nickel alloys. Meets purity levels for use in nuclear class hardware. 	pure nickel powder solid lubricants partly synthetic oil inorganic thickener Packaging 500 g brushtop 1 kg 5 kg	Color Density, g/ml Drop point, °C Unworked Penetration Operating temperature, °C	dark silver 1.30-1.50 none 290-320 -30 to +1427
Silver Anti Seize Antiseize Paste	 Makes disassembly easy and non-destructive even after long operational periods at high temperatures and adverse working environments. High load withstanding capacity. Creates an effective matrix between mating surfaces to prevent metal-to-metal contact. 	aluminum powder solid lubricants partly synthetic oil inorganic thickener Packaging 500 g brushtop 1 kg 5 kg	Color Density, g/ml Drop point, °C Unworked Penetration Operating temperature, °C	dark silver 1.20-1.30 none 290-320 -50 to +900
Antiseize Paste Copper based	 For assembly of all threaded connections exposed to high temperatures and corrosive conditions to make disassembly easy and non-destructive even after long operational periods. Prevents bolt breaking, sintering, fusion, seizure, thread striping and distortion of threads. 	copper powder solid lubricants partly synthetic oil inorganic thickener Packaging 1 kg	Color Density, g/ml Drop point, °C Unworked Penetration Operating temperature, °C	copper brown 1.40-1.50 none 250-280 -20 to +1100



PASTES I ASSEMBLY & THREADED PARTS, METAL FREE



Product	Benefits / Applications	Туре	Properties	
KIL 120	• Metal free high purity paste for preventing seizure at high temperatures especially for components made of special & proprietary steels.	solid lubricants partly synthetic oil inorganic thickener	Color Density, g/ml Drop point, °C	gray black 1.15-1.30 none
Antiseize Paste High Purity	 For preventing seizure of all threaded connections operating at high temperatures especially those made of steel, stainless steel, heat resistant steel and 		Operating temperature, °C	-40 to +1400
	proprietary alloys e.g. ni-based alloys commonly used in gas, thermal and nuclear power generating plants, chemical plants, paper processing machinery, refineries.	Packaging 1 kg		
KIL 125	Highly adhesive and non-melting. Absolutely metal free.	solid lubricants partly synthetic oil	Color Density, g/ml	yellowish brown 1.20-1.40
Antiseize Grease Paste; Highly	 Makes disassembly very easy and non-destructive even after long operational periods at high temperatures and adverse working environments. 	inorganic thickener	Drop point, °C Operating temperature, °C	none -40 to +1200
Adhesive	 Protects surface from wear and friction. Offers protection from corrosion. Resistant to marine atmospheres, water, humidity and corrosion. 	Packaging 1 kg		
KIL 126	Very good performance especially under heavy loads and low speeds.	solid lubricants partly synthetic oil	Color Density, g/ml	white 1.20-1.35
Antiseize Paste White	 Clean, non-staining heavy duty lubricant free from heavy metals, sulfides, chlorides. Prevents metal-to-metal contact, seizure, stick-slip, 	inorganic thickener	Drop point, °C Operating temperature, °C	none -40 to +1400
	galling and fretting corrosion.Protects surface from wear and friction.Offers protection against corrosion.Good resistance to hot or cold water and acids.	Packaging 1 kg		
KIL 130	Makes disassembly very easy and non-destructive even after long operational periods at high temperatures and adverse working environments.	solid lubricants partly synthetic oil inorganic thickener	Color Density, g/ml Drop point, °C	gray black 1.20-1.40 none
Antiseize Paste For High	High load withstanding capacity and creates an effective matrix between mating surfaces to prevent metal-to-	morganic unexerier	Operating temperature, °C	-40 to +1500
Temperature	metal contact. • Protects surfaces from wear and friction. • Cond correction protection.			
	 Good corrosion protection. Lower breakout torque. Prevents bolt breaking, sintering, fusion, seizure, thread striping and distortion of threads, stress cracking. 	Packaging 1 kg		



PASTES I WHITE LUBRICATING SOLIDS BASED



Product	Benefits / Applications	Туре	Properties	
KIL 80 Antiseize Paste White	 Very good performance especially under heavy loads and low speeds. Clean, non-staining heavy duty lubricant. Prevents metal-to-metal contact, seizure, stick-slip, galling and fretting corrosion. For all applications involving the need for a white, clean lubricant where dark film products cannot be tolerated as in textile, plastic manufacturing machinery, electrical appliances, pharmaceutical processing machinery, office equipment, precision instruments, packaging machinery. 	white solid lubricants partly synthetic oil lithium soap adhesion improver EP additive Packaging 1 kg	Color Density, g/ml Drop point, °C Operating temperature, °C	off white 1.20-1.40 +180 -25 to +250
KIL 85 Antiseize Grease Paste White	 Very good performance especially under heavy loads and low speeds. Clean, non-staining heavy duty lubricant. Prevents metal-to-metal contact, seizure, stick-slip, galling and fretting corrosion. For all applications involving the need for a white, clean lubricant where dark film products cannot be tolerated as in textile, plastic manufacturing machinery, electrical appliances, pharmaceutical processing machinery, office equipment, precision instruments, packaging machinery. 	white solid lubricants partly synthetic oil lithium soap corrosion inhibitor Packaging 1 kg	Color Density, g/ml Drop point, °C Operating temperature, °C	white 1.10-1.20 +180 -25 to +125

PASTES I HIGH TEMPERATURE, METAL FORMING

Product	Benefits / Applications	Туре	Properties	
KIL 1150	 Increases service life of tools. Improves work piece surface finish. Reduces wear, friction and scoring. 	white solid lubricants partly synthetic oil corrosion inhibitor	Color Density, g/ml Drop point, °C	white 1.60-1.80 NA
Metal Forming Paste	 Exceptional lubricating and parting properties. For tool preparation and lubrication of all hot metal forming, hot rolling, drop forging, metal bending 	Conosion illinoidi	Unworked penetration Operating temperature, °C	250-280 -20 to +1150 (to +1200 shor
	applications for reducing wear and providing good parting and lubrication effects.	Packaging 5 kg		term)



PASTES I FOR CHUCK JAW LUBRICATION





Product	Benefits / Applications	Туре	Properties	
Chuck Jaw Paste White Solid Lubricants Based	 Highly adhesive paste for lubrication of sliding metal surfaces especially in metal machining applications operating under high pressures and heavy vibratory loads where lubricant resistance to washout by water and machining fluid emulsions is required. High load carrying capacity makes it ideal for lubrication of sliding surfaces under high pressures, vibratory and shock loads particularly chuck jaws on metal working machinery. Prevents frictional corrosion and provides very good lubrication as well as corrosion protection to equipment under humid conditions. 	solid lubricants synthetic oil thickener adhesion improver corrosion inhibitor	Color Density, g/ml Penetration, unworked Coefficient of friction, µ Operating temperature, °C	light beige 1.15-1.25 270-310 0.09 -25 to +250
	 Non staining white colored paste can be used in areas where dark colored lubricants cannot be tolerated. Synergistic combination of white lubricating solids and special additives ensure optimum coefficient of friction. Extremely economical to use owing to high surface area coverage. 	Packaging 100 g 1 kg 5 kg 1 5 kg		



PASTES I FOR PNEUMATIC / HYDRAULIC HAMMERS



Product	Benefits / Applications	Туре	Properties	
KIL CP 20 Copper based Chisel Paste	 Based on a combination of solid lubricants and a complex soap thickener, CP 20 Chisel paste is designed to provide high performance lubrication and protection of equipment operating under extreme pressures, high temperatures, water and corrosive conditions. Lubricating solids are synergistically balanced to create an effective matrix between mating surfaces to prevent metal-to-metal contact, protect from wear and friction and withstand heavy vibratory loads. Excellent resistance to water. For socket tools, rod pins, pneumatic drills, chisel bushings, hydraulic hammers / breakers and other power tools. 	copper powder solid lubricants partly synthetic oil thickener adhesion improver corrosion inhibitor Packaging 1 kg 5 kg 15kg	Density, g/ml 1.15 NLGI Class 2	per brown i-1.30 to +1100



DRY LUBRICANTS I ANTI FRICTION COATINGS



Product	Color & Appearance	Туре	Cure Conditions	Operating Temperature °C	Packaging
KIL 1600 Bonded Lubricant, Thermoplastic; PTFE	transparent, white paint like liquid	organic binder PTFE solvent	Air - Touch dry 5 mir - Complete Cure 30 m	-180 to +250 nutes inutes	400 ml spray
KIL 4500 Bonded Lubricant, Thermoplastic	gray black paint like liquid	organic binder MoS ₂ graphite solvent	Air - Touch dry 5 mir - Complete Cure 30 m Oven Cure - Minutes / °C 60 / 4	inutes	4 kg
KIL 8206 Bonded Lubricant, Thermosetting	gray black paint like liquid	organic binder MoS ₂ graphite solvent	Oven Cure - Minutes / °C 60 / ′	-70 to +250	4 kg
KIL 8221 Bonded Lubricant, Thermoplastic	gray black paint like liquid	inorganic binder MoS ₂ solvent	Air - Touch dry 1 mir - Complete Cure 5 mir	· ·	400 ml spray 4 kg
KIL 8265 Bonded Lubricant, Thermoplastic	gray black paint like liquid	organic binder MoS ₂ solvent	Air - Touch dry 5 mir - Complete Cure 30 m Oven Cure - Minutes / °C 60 / ′	inutes	400 ml spray 1 kg 4 kg
KIL 8409 Bonded Lubricant, Thermosetting	gray black paint like liquid	organic binder MoS ₂ solvent	Oven Cure - Minutes / °C 30 / 120 /		4 kg
KIL 8800 Bonded Lubricant, Thermoplastic	gray black paint like liquid	organic binder MoS ₂ solvent	Air - Touch dry 5 mir - Complete Cure 30 m Oven Cure - Minutes / °C 60 / ′	inutes	400 ml spray 5 liter
KIL 110 Bonded Lubricant, Thermoplastic	gray black paint like liquid	inorganic binder WS ₂ solvent	Air - Touch dry 1 mir - Complete Cure 5 mir		400 ml spray



DRY LUBRICANT I POWDERS



Product	Туре	Application	Operating Temperature °C	Packaging
KIL GP 7188 KIL GP 7189 Powder	black graphite powder	 Very high purity graphite with minimum ash content. Excellent adhesion on metal substrates without any special treatment. Eliminate galling, seizure and stick-slip. Reduce wear and friction by forming a film that eliminates metal to metal contact. 	to +500	1 kg
KIL V KIL V (MF) Powder	gray black MoS₂ powder	 Highly refined, molybdenum disulfide, 98.5% pure. Lubricate under pressures exceeding 500,000 psi. Unaffected by liquid oxygen, vacuum and suitable for use near radioactive areas. Non conductive. Confirm to Military specifications MIL-M-7866. 	-185 to +450 (upto +1100 under vacuum conditions)	1 kg
KIL 1825 Spray	gray black MoS₂ powder	 Highly refined, molybdenum disulfide, 98.5% pure. Lubricates under pressures exceeding 500,000 psi. Unaffected by liquid oxygen, vacuum and suitable for use near radioactive areas. Non conductive. Confirms to Military specifications MIL-M-7866. 	-185 to +450 (upto +1100 under vacuum conditions)	400 ml spray



LUBRICATING FLUIDS I FOR CHAINS & CONVEYORS



Synthesized Fluids

Range of high tech synthetic lubricating fluids for applications that demand higher and better performance, low and high temperature withstanding abilities, reduced time intervals for maintenance, reduction in lubricant consumption and more cleanliness due to high purity levels and non carbonizing nature of base stocks.

Formulated with special organic friction reducing additives, we offer a range of ISO VG chain oils for automatic as well as manual application methods to provide water resistant, long term, extreme pressure lubrication at high temperatures, for reducing lubricant consumption and to provide heavy duty high performance lubrication without any varnish like carbon formation.

Benefits

- Extremely wide service temperature ranges.
- Very good extreme pressure properties enhance load carrying abilities and reduces frictional wear.
- Extremely low evaporation rate at high temperatures.
- Due to absolute synthetic formulation, there is no carbon or resinous deposit even at high temperatures.
- Minimized deposit formation reduces cost related to chain cleaning such as labor, production loss and downtime.
- Lower evaporation rate reduce consumption and allow for extension of lubrication period thereby cutting down on lubrication costs.
- Provide superior lubrication and protection even when subjected to high temperatures and humid conditions.
- Due to superior lubrication, power requirement is reduced resulting in both lubricant as well as energy savings.
- Cost saving due to reduction of parts premature wearing out and replacements are also greatly increased.

Product	Туре	Color	Viscosity 40°C mm²/s	Density 29°C g/ml	Flash Point °C	Operating Temperature °C
KIL 1330	synthetic oil organo moly complex	brownish	270-330	0.90-0.98	+220	-30 to +200
Synthetic High Temperature Adhesive Chain Lubricant	Packaging 400 ml aerosol 5 liter 30 liter					
KIL R 58	synthetic oil MoS ₂	black	110	0.95 - 1.00	+230	Oil film to +200 Dry film to +450
High Temperature Synthetic Lubricant with MoS ₂	Packaging 5 kg					
KIL KL 220	synthetic oil additives	yellowish	220	0.90-0.98	+275	-10 to +250
High Temperature Synthetic Lubricant	Packaging 5 liter 30 liter 200 liter					
KIL KL 250	synthetic oil additives	yellowish	240-300	0.90-0.98	+275	-10 to +250
High Temperature Synthetic Lubricant	Packaging 5 liter 30 liter 200 liter					
KIL KL 290	synthetic oil additives	yellowish	340-360	0.90-0.98	+250	-10 to +210
High Temperature Synthetic Lubricant	Packaging 5 liter 30 liter 200 liter					
KIL KL 290/1	synthetic oil additives	greenish yellow	340-360	0.90-0.98	+250	-10 to +210
High Temperature Synthetic Lubricant	Packaging 5 liter 30 liter 200 liter					



LUBRICATING FLUIDS I FOR CHAINS & CONVEYORS



Product	Туре	Color	Viscosity 40°C mm²/s	Density 29°C g/ml	Flash Point °C	Operating Temperature °C
KIL 1000 Series	synthetic oil additives	yellowish	100 150 220	0.90-0.98 0.90-0.98 0.90-0.98	+250 +250 +250	-10 to +210 -10 to +210 -10 to +210
High Temperature Synthetic Lubricants	Packaging 5 liter 30 liter 200 liter		320 460 1000	0.90-0.98 0.90-0.98 0.90-0.98	+250 +250 +250 +250	-10 to +210 -10 to +210 -10 to +210
KIL 3000 Series High Temperature Synthetic Lubricants	synthetic oil additives Packaging 5 liter 30 liter 200 liter	yellowish	100 150 220 320 460	0.85-0.95 0.85-0.95 0.85-0.95 0.85-0.95 0.85-0.95	+250 +250 +250 +250 +250	-10 to +225 -10 to +225 -10 to +225 -10 to +225 -10 to +225
KIL 2000 SD Series Synthetic High Temperature Chain Lubricant	synthetic oil organo moly complex additives Packaging 400 ml aerosol 5 liter	greenish yellow	2000	0.90-0.98	.+260	0 to +250
KIL 4800 Series Highly Viscous Synthetic Lubricant	synthetic oil additives Packaging 5 liter	dark yellow	4800	0.85-0.95	+250	-10 to +260
KIL 6150 Series Synthetic Lubricant	synthetic oil additives Packaging 5 liter 30 liter	dark yellow	150	0.90-0.95	+250	-10 to +150
KIL 6460 Series Synthetic Lubricant	synthetic oil additives Packaging 5 liter 30 liter	dark yellow	460	0.90-0.95	+250	-10 to +150



LUBRICATING FLUIDS I SILICONE OILS



Product	Benefits / Applications	Туре	Viscosity 25°C mm²/s	Density 20°C g/ml	Flash Point °C	Operating Temperature °C
KIL PS Series Silicone Fluids	 Chemically inert and very good oxidation stability at high temperatures. Excellent thermal stability when exposed to high temperatures. Provide maximum damping effect. Unusually high resistance to breakdown and mechanical shearing. Very good thermal conductivity and excellent dielectric properties. Use as hydraulic fluids; heat transfer media and coolants for electronic equipment; mold release agents for rubber and plastic components; safe lubricants for rubbers, elastomers, plastic components and parts. 	water white polydimethyl siloxane	50 100 350 500 1000 2000 3000 5000 12500 60000	0.95-0.99 0.95-0.99 0.95-0.99 0.95-0.99 0.95-0.99 0.95-0.99 0.95-0.99 0.95-0.99	+300 +300 +315 +315 +315 +315 +315 +315 +315 +315	-50 to +200 -50 to +200
KIL PS 200 ST / 1000 PS 200 ST Silicone Fluids	 For use as a synthetic damping fluid for package cradle adopter in Autoconer winding machines of textile processing equipment. For use as a mold release agent for processing of rubber and plastic components and as lubricants for plastic and rubber parts such as bearings, rods, bushes, seals, gears. 	water white polydimethyl siloxane	1000 2000	0.95-0.99 0.95-0.99	+315 +315	-50 to +200 -50 to +200 Packaging 100 g 1 kg



LUBRICATING FLUIDS I GEARBOX OILS



Product	Benefits / Applications	Туре	Viscosity 40°C mm²/s	Viscosity 100°C mm²/s	ISO VG Grade	Flash Point °C	Operating Temperature °C
KIL PGS 300 Series Synthetic Lubricating Fluids PAG Based	High degree of thermal & oxidation stability allows for extended lubrication, increase in re-lubrication intervals and reduction in lubricant costs. For the lubrication of gears under high temperatures and heavy loads such as all types of conical, spur and worm gears, toothed couplings, heavily loaded plain and roller bearings for providing heavy duty, extreme pressure and long lasting lubrication in heavy engineering and manufacturing plants.	light yellow synthetic oil mixture EP additive oxidation and corrosion inhibitors Packaging 5 liter 30 liter	150 220 320 460	26 42 59 80	150 220 320 460	>+270 >+270 >+270 >+270 >+270	-35 to +160 -30 to +160 -30 to +160 -30 to +160
KIL 900 Series Synthetic Lubricating Fluids PAO Based	Reduce gear tooth wear and protect gear teeth from galling, scuffing and welding. Improve gear efficiency and energy saving by way of lesser power consumption. Excellent extreme pressure protection. No lead based additives. Outstanding thermal and oxidative stability. Reduce lubricant consumption. Prolongs oil change intervals and extended drains.	light yellow synthetic oil mixture EP additive oxidation and corrosion inhibitors Packaging 5 liter 30 liter 200 liter	100 150 220 320 460 680 1000	15 19 25 30 45 68 83	100 150 220 320 460 680 1000	+240 +240 +240 +240 +240 +240 +240	-40 to +150 -40 to +150 -40 to +150 -30 to +150 -30 to +150 -30 to +150 -20 to +150
KIL OMC 2000 Series EP Gear Oils with Organo Moly Complex (OMC ₂) Friction Reducing Technology	Formulated with organo moly complex (OMC ₂) additive technology for high load carrying, oxidation and corrosion protection, these oils are designed for maximum performance under the most demanding operating conditions. Recommended for improved running-in performance of new and overhauled gear boxes. For gear boxes running under heavy loads and high temperatures.	greenish brown mineral oil organo moly complex additive Packaging 5 liter 30 liter 200 liter	150 220 320 460 680	19 22 27 38 62	150 220 320 460 680	+205 +210 +220 +220 +225	-25 to +150 -25 to +150 -20 to +150 -20 to +150 -10 to +150
KIL R55 Dispersion MoS ₂ Mineral Oil Concentrate; Industrial Oil Additive	For use as an additive to all types of mineral oils to enhance load bearing capacity and impart extreme pressure carrying abilities; for minimizing wear and excessive friction; for eliminating metal to metal contact, welding and seizure. Reduces noise levels and operating temperatures. Recommended addition level is 5-10% by volume depending on operating conditions.	black mineral oil solid lubricants organo moly complex additive Packaging 500 ml 5 liter	70	NA	68	+225	Depends on to which added



GREASE I MULTIPURPOSE LITHIUM SOAP BASED



Description

A family of high performance, high quality, multipurpose, extreme pressure industrial greases based on lithium hydroxystearate soap thickener and a blend of high viscosity index base mineral oils fortified with lead free, anti wear, anti corrosion and anti oxidant additives.

Benefits

- Reduce friction and wear
- Increase re lubrication periods
- High load carrying capacity
- Highly resistant to hot or cold water and water washout
- Offer surface protection from corrosion
- Good resistance to oxidation

Applications

- Use successfully for roller bearing, plain bearings, roller guides, threaded spindles, splined shafts, taper bearings, needle roller bearings, ball and socket joints, sliding and mating surfaces, journal bearings, couplings.
- For long lasting lubrication of cams, shafts, spring, joints, steel cables and similar equipment operating under light to medium loads and low to medium speeds.

Product	Appearance / Color	Base Oil	Thickener	NLGI Grade	Drop Point °C	Operating Temperature °C	Packaging
KIL ML 3 KIL ML 2 KIL 2EP	smooth buttery / light yellow smooth buttery / light yellow smooth buttery / dark yellow	mineral oil mineral oil mineral oil	lithium lithium lithium	3 2 2	+185 +185 +185	-25 to +120 -25 to +120 -25 to +120	5 kg 30 kg 180 kg
Multipurpose Lithium Greases							



GREASE I HEAVY DUTY



Product	Benefits / Applications	Туре	NLGI Grade	Drop Point °C	Operating Temperature °C	Packaging
KIL BRB 2EP Universal High Performance Grease with MoS ₂	 Heavy duty lithium grease with micro size molybdenum disulfide lubricating solids. Forms a film to provide emergency lubrication. Prevents premature bearing failures caused due to lubricant starvation as a film of solid lubricants is always maintained between sliding surfaces. Prevents metal-to-metal contact, reduces friction and wear. Protects against fretting corrosion. Highly resistant to hot or cold water and water washout. 	black mineral oil lithium soap MoS ₂ adhesion improver Organo moly complex additives	2	+185	-30 to +130 (short peaks up to +150)	1 kg 5 kg 30 kg 180 kg
KIL BRB 770 Heavy Duty High Impact Resistant Grease	 Prevents metal-to-metal contact, reduces friction and wear & protects against fretting corrosion. Highly resistant to hot or cold water and water washout. Extends re-lubrication intervals and cuts down lubricant consumption. Combination of EP additives increase the load bearing capacity and provide emergency running in and boundary lubrication. Offers good surface protection and corrosion inhibiting properties. Very good performance under moderate to high loads and medium speeds under reciprocating motions. 	red mineral oil lithium soap EP additives	2	+190	-7 to +150	1 kg 5 kg
KIL GR 20 Heavy Duty Graphite Grease	 As a general purpose, low friction lubricant for gears, rods, chains, guides, chucks, drills, dies, punches, sleeves, cams, bearings, wire ropes, valves, gaskets to prevent wear, binding, sticking, seizure and galling. For nuts, studs, bull plugs, tubing, pipes, couplings, flanges, fittings, u-bolts, elbow joints to provide an effective seal and prevent seizure. For lubrication of seam welding and ERW machines. 	black mineral oil lithium soap graphite EP additives	2	+180	0 to +180	30 kg 180 kg
KIL LL 102 High Pressure Long Life Grease with MoS ₂	 Forms a film to provide emergency lubrication and prevents premature bearing failures caused due to lubricant starvation as a film of solid lubricants is always maintained between sliding surfaces. Capable of withstanding high pressures. Highly resistant to hot or cold water and water washout. Use successfully for roller bearing, all types of anti-friction bearings, plain bearings, roller guides, threaded spindles, splined shafts, taper bearings, needle roller bearings, sliding and mating surfaces under vibratory or reciprocating motions. 	black mineral oil lithium soap MoS ₂ adhesion improver Organo moly complex additives	2	+185	-20 to +130 (short peaks up to +150)	1 kg 5 kg 30 kg 180 kg



GREASE I HIGH TEMPERATURE

Features

- Highly resistant to water and water washout, humidity, steam, ageing and oxidation.
- · Retain consistency at high temperatures.
- · Low evaporation rate.
- Heavy duty performance, increase relubrication interval and cut down lubricant consumption.
- Reduce friction and provide emergency running in properties.
- · Good high temperature performance.
- High surface pressure withstanding capacity.
- Increase service life of equipment.
- Prevent premature equipment failure by providing a solid lubricant film in case of lubricant starvation.

Typical Applications

- For lubrication of anti friction and journal bearings under very severe operating conditions of wear, friction, heat, humidity, loads and high stress.
- Non-drip, non-melt bearing greases for high temperature lubrication of over head conveyor bearings in lithography, paint stoving ovens, curing booths, automotive assembly lines, ceramic, rubber, latex processing, pharmaceutical, bakery, vulcanizing, textile and glass plants.
- For lubrication of anti friction and plain bearings of pre-heater fans, electrical motors, induced draft fans, ovens, pumps, mixers, furnaces, paper mill machinery, sugar plants.

Product	Appearance / Color	Base Oil	Thickener	NLGI Grade	Drop Point °C	Operating Temperature °C	Packaging
KIL LC 2 EP	smooth buttery / yellow grease with EP additives	mineral	lithium complex	2	+240	-30 to +150C	5 kg 30 kg 180 kg
KIL LC 2S	smooth buttery /green grease with PTFE	mineral	lithium complex	2	+260	-20 to +260	1 kg 5 kg 30 kg 180 kg
KIL MT 25	smooth buttery / black grease with MoS₂	mineral	lithium complex	2	+260	-25 to +250	1 kg 5 kg 30 kg
KIL NMG 47	smooth buttery / black grease with MoS₂	mineral	inorganic thickener	2	None	-30 to +180 (short peaks to +200)	1 kg 5 kg 30 kg 180 kg
KIL NMG 220	smooth buttery / black grease with MoS₂	ISO VG 220 mineral	inorganic thickener	2	None	-30 to +225	30 kg 180 kg
KIL NMG 460	smooth buttery / black grease with MoS ₂	ISO VG 460 mineral	inorganic thickener	2	None	-20 to +250	30 kg 180 kg
KIL NMG 1000	smooth buttery / black grease with MoS ₂	ISO VG 1000 mineral	inorganic thickener	2	None	-2 to +200	30 kg 180 kg

GREASE I HIGH TEMPERATURE, WATER RESISTANT

Product	Appearance / Color	Base Oil	Thickener	NLGI Grade	Drop Point °C	Operating Temperature °C	Packaging
KIL SP 500	smooth / brown	mineral	calcium complex thickener	2-1	+290	-20 to +150	5 kg 30 kg 180 kg
KIL SP 500 (M)	smooth buttery / black grease with MoS ₂	mineral	calcium complex thickener	2-1	+290	-20 to +150	30 kg 180 kg



GREASE I HIGH LOADS, TEMPERATURE; SYNTHETIC



Product	Benefits / Applications	Туре	NLGI Grade	Drop Point °C	Operating Temperature °C	Packaging
KIL NMG 200 Synthetic Grease with MoS ₂	 Very good adhesion to metal surfaces. Non melting and does not drip off to contaminate other components. Highly resistant to water washout, humidity, steam, ageing & oxidation. Retains consistency at high temperatures. Low evaporation rate. 	gray black synthetic oil inorganic thickener additives	2	None	-20 to +250	1 kg 5 kg 30 kg
KIL NMG 300 Synthetic Grease with MoS ₂	 Very good adhesion to metal surfaces. Non melting and does not drip off to contaminate other components. Highly resistant to water washout, humidity, steam, ageing & oxidation. Retains consistency at high temperatures. Low evaporation rate. 	gray black synthetic oil inorganic thickener additives	2	None	-25 to +270	1 kg 5 kg 30 kg
KIL PAG G2 Synthetic Grease for Bearings	 Broad operating temperature range. At elevated temperatures (over 200°C) the synthetic base fluid evaporates without carbonizing leaving behind only a dry lubricating film of solids that adheres naturally to metal component surfaces to provide exceptional lubrication even under the most severe conditions. 	black synthetic oil inorganic thickener	2	None	-30 to +600	1 kg 5 kg
KIL 410 Synthetic Grease with MoS ₂	 High pressure, high load withstanding synthetic grease. Contains micro fine molybdenum disulfide solid lubricants to enhance load bearing capacity. Maintains a solid lubricating film between contact surfaces to prevent wear due to friction. Excellent resistance to steam, water, humidity and ideally suitable for lubrication of bearings under adverse operating conditions. 	gray black synthetic oil inorganic thickener	2	None	-30 to +260	1 kg 5 kg
KIL 540 R2 Synthetic Grease (Available in NLGI 1 & 00 Grades)	 Synthetic grease for lubrication of anti friction and journal bearings under very severe operating conditions of wear, friction, heat, humidity, loads and high stress. Non melting and does not drip off to contaminate other components. Highly resistant to water and water washout, humidity, steam, ageing and oxidation. Retains consistency at high temperatures. Low evaporation rate. 	red synthetic oil inorganic thickener	2	None	-20 to +200	1 kg 5 kg 30 kg



GREASE I SILICONE





Product	Benefits / Applications	Туре	NLGI Grade	Operating Temperature °C
KIL 44 Silicone Grease, Multipurpose	Withstands high temperatures and maintains its consistency. Inherently inert and possesses a high degree of shear stability and resistance to oxidation. Good resistance to water, steam, humid environments and chemicals. For lubrication of metal and plastic surfaces. For lubrication of rolling element bearings operating under light to moderate loads as in washing machines, air conditioners, domestic appliances, data processing equipment, radiator cooling fans, electrical motors, vacuum machines and plastic components.	light tan silicone oil lithium soap Packaging 1 kg 5 kg	2	-40 to +204
KIL 604 Dielectric Silicone Grease	As a moisture proof seal and protective barrier coating on high tension electrical connections of all electronic, electrical, industrial, marine, aircraft, automotive equipment for providing greater resistance to tracking and prevent ingress of moisture. High dielectric strength with very good thermal and oxidation stability. Chemically inert and very low volatility. Maintains its grease like consistency at high temperatures. Nontoxic, non volatile, non melting and odorless. Compatible with plastic, rubber and metal pairings.	transparent silicone oil inorganic thickener Packaging 1 kg 5 kg	2	-50 to +200
KIL 607 Mold Release Grease	Very good thermal and oxidation stability and minimizes build up on mold. Nontoxic, non melting and odorless. Chemically inert and does not react with plastics and metals. Suitable for high temperature molding operations. Excellent release properties increases production output while minimizing rejection. Resistant to water. Does not dry out.	transparent silicone oil inorganic thickener Packaging 5 kg	1-2	-40 to +204
KIL 633 M Low & High Temperature Sélicone Grea	Exceptionally good oxidation resistance. High shear stability Does not thin out at high temperatures. Very good low temperature performance. Highly recommended for lubrication of metal-to-metal and metal to plastic combinations under slow to medium speeds, light to moderate loads and exposed to high and low temperatures. Also available as 633 L (NLGI Grade 1).	light tan silicone oil lithium soap Packaging 1 kg 5 kg	2	-73 to +204
KIL 634 Heat Sink Compound	Heat transfer media in the electrical and electronic industry for facilitating heat dissipation by filling voids and gaps between power components and heat sinks. Use for thermocouple wells, thermometer wells, mounting power diodes & transistors, shock & heat dissipation in transistors mounting semi-conductor devices, heat transfer medium on ballasts, thermal joints, sensors, thermistors.	white silicone oil metallic oxide filler Packaging 1 kg	2-3	-54 to +200
KIL 641 High Temperature Silicone Grease	For lubrication of roller bearings at very high temperatures and low speeds such as bearings in furnace trolleys, oven carts, pumps, plastic processing machinery, oven conveyors, induced draft fans. Used successfully for lubrication of governor linkages of steam turbines, ball and socket connections of power insulators, switchgears, contacts, knife type power disconnect switches.	black silicone oil inorganic thickener Packaging 1 kg 5 kg	~2	-20 to +290
KIL 644 M High Temperature Silicone Grease	Exceptionally good oxidation resistance. High shear stability Does not thin out at high temperatures. Very good low temperature performance. Highly recommended for lubrication of metal-to-metal and metal to plastic combinations under slow to medium speeds, light to moderate loads and exposed to high and low temperatures. Also available as 644 L (NLGI Grade 1).	light amber silicone oil lithium soap Packaging 1 kg 5 kg	2	-40 to +204



GREASE I SILICONE





Product	Benefits / Applications	Туре	NLGI Grade	Operating Temperature °C
KIL 655 Silicone Grease	Primarily designed to provide a controlled rubber swell and ensure that rubber connections such as O-rings and seals in pneumatic systems form tight seals. Exceptionally good oxidation resistance, high shear stability, swells rubber to a controlled degree for better sealing effect, resistant to	light tan silicone and ester oil lithium soap	2	-65 to +175
	ageing, water, moisture, steam, humidity and corrosive environments, low evaporation and bleed characteristics Excellent resistance to oxidation, safe for use on metal, plastic and rubber components.	Packaging 100 g 1 kg		
KIL 1010 Silicone Grease	Very good oxidation resistance. Completely resistant to water, steam, humidity and corrosives. Low vapor pressure and low volatility. Compatible with plastics, rubbers, elastomers, and other gasketing and O-ring seal materials.	transparent silicone oil inorganic thickener	1~2	-40 to +250
for Valves & Packings	Prevents age hardening, stress cracking and maintains resilience of plastics. Non gumming, non melting and non toxic. All ingredients comply with regulations for food grade materials.	Packaging 1 kg 5 kg 30 kg		
KIL 1000 HVG	Very good oxidation resistance. Completely resistant to water, steam, humidity and corrosives. Low vapor pressure and low volatility. Compatible with plastics, rubbers,	transparent silicone oil inorganic thickener	~3	-40 to +200
Multipurpose, High Vacuum Silicone Grease	elastomers, and other gasketing and O-ring seal materials. Prevents age hardening, stress cracking and maintains resilience of plastics. Non gumming, non melting and non toxic. All ingredients comply with regulations for food grade materials.	Packaging 1 kg 5 kg		



GREASE I HIGH TEMPERATURE, PFPE / PTFE BASED



Synthetic high performance high temperature greases for withstanding heat, chemicals, solvents, corrosion, toxicity, flammability, compatibility and providing increased service life.

Benefits

- Extremely wide service temperature range.
- Excellent chemical and water washout resistance.
- Excellent resistance to oxidation and high degree of thermal stability.
- Non reactive to metal, plastic, elastomers and rubber.
- Extremely low evaporation loss.
- Very good extreme pressure and wear characteristics.
- Non flammable, chemically inert non toxic.

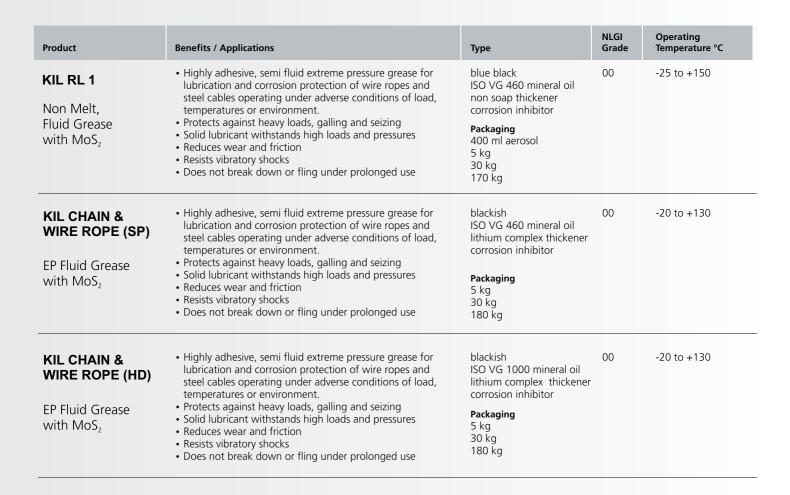
Applications

- Tenter frames in textile industry.
- Life time sealed, maintenance free bearings.
- Bearings in paper and corrugation manufacturing machines.
- Paint plant conveyor bearings.
- Fan blower and ventilation fan bearings.
- Conveyor bearings in glass and aluminum plants.
- Oxygen and chlorine plants and pumping stations.
- Rollers in conveyor ovens, tunnel ovens, reaction chambers, furnaces.
- Bearings of kiln cars, tyre molding machines, bakery equipment, vacuum
- pumps, driers, electric motors.

Product		Туре	NLGI Grade	Drop Point °C	Operating Temperature °C	Packaging
KIL 303 PFPE / PTFE Grease	non flammable, synthetic high temperature grease exhibiting exceptional thermal resistance	white synthetic oil thickener	2	None	-30 to +288	1 kg
KIL NMG 400 Special Grease for Ejector Pins	synthetic high temperature grease for lubrication of ejector pins in plastic processing machines	white synthetic oil thickener	2	None	-20 to +300	1 kg



GREASE I FOR WIRE ROPES, STEEL CABLES, CHAINS





GREASE I FLUID LIKE FOR GEARBOX LUBRICATION



Product	Benefits / Applications	Туре	NLGI Grade	Operating Temperature °C
KIL LL 100 Heavy Duty Fluid Grease for Closed Concers	 Forms a solid lubricating film to provide emergency lubrication. Prevents metal-to-metal contact and reduces friction and wear. Withstands extremely high loads. Highly resistant to hot or cold water and water washout. Extends relubrication intervals and cuts down lubricant consumption. Combination of EP additives and solid film lubricants increase the load bearing capacity and provide emergency running in and boundary lubrication. Use successfully for lubrication of closed gears operating under high stress and humid conditions. 	blue black mineral oil lithium soap thickener EP additive solid lubricants adhesion improver Packaging 1 kg 5 kg 30 kg 180 kg	00	-30 to +110
KIL LL 100 (SP) Heavy Duty Fluid Grease for Closed €arboxes	 Forms a solid lubricating film to provide emergency lubrication. Prevents metal-to-metal contact and reduces friction and wear. Withstands extremely high loads. Highly resistant to hot or cold water and water washout. Extends relubrication intervals and cuts down lubricant consumption. Combination of EP additives and solid film lubricants increase the load bearing capacity and provide emergency running in and boundary lubrication. Use successfully for lubrication of closed gears operating under high stress and humid conditions. 	blue black mineral and synthetic oil lithium soap thickener EP additive MoS ₂ & solid lubricants adhesion improver Packaging 30 kg	00	-30 to +110
KIL WG 670 Synthetic Fluid Grease for Gearboxes	 For 'long-life' lubrication of gear boxes for 'filled for life' features allowing long term, trouble free maintenance and operation. For lubrication of worm gear drives for its inherent ability to lower frictional losses, keep temperatures low and for allowing maximum power transmission delivery without overheating. Especially suited for gear boxes where worm gears are in a combination of steel and tin-bronze materials. Highly suitable for use in other enclosed gear boxes with spur, helical or spiral bevel trains. 	light tan, beige synthetic oil lithium soap thickener Packaging 5 kg 30 kg	00	-30 to +130



GREASE I FLUID LIKE FOR CENTRALIZED LUBRICATION SYSTEMS



Product	Benefits / Applications	Туре	NLGI Grade	Operating Temperature °C
KIL FS 800 Fluid Grease Synthetic	 Synthetic low-noise high speed grease for advanced and high performance, long term lubrication of plain and rolling bearings. Reduces friction and wear, increases service life of the equipment and cuts down on lubrication costs by increasing re lubrication intervals. Suited for pumping through centralized lubrication systems. Suitable for plain and rolling bearings, gear couplings, hand held power tools, fractional horse power motors, small and miniature bearings, low-noise and precision bearings, for precision mechanical and optical equipment. 	red synthetic oil lithium soap thickener Packaging 5 kg 30 kg	1	-20 to +100
KIL (LF) 400 Fluid Grease Heavy Duty	 Lubrication via centralized lubrication / dispensing systems where good pumpability is required. Suited for lubrication of heavy duty plain and rolling element bearings operating under severe operating conditions of loads, environments, temperatures or wet conditions. High pressure withstanding ability. Ideal for providing long term lubrication for gear box applications. 	brownish mineral oil lithium soap thickener Packaging 5 kg 30 kg	>000	-30 to +100
KIL (LF) 1100 Heavy Duty Fluid Grease	 Grease formulated for providing hydrodynamic lubrication and high pressure withstanding ability along with high thixotropy. Excellent resistance to water washout and reduces wear and friction by maintaining a continual lubricating film between mating surfaces. Can be dispensed via centralized lubrication systems. Use for lubrication of slide ways, guides, steel gears, rams of mechanical presses. 	brownish mineral & synthetic oil lithium soap thickener Packaging 5 kg 30 kg	00-000	-20 to +100
KIL LT (LF) SERIES Fluid Greases for Centralized Lubrication Systems	 Ideal for lubrication via centralized lubrication / dispensing systems where good pumpability is required. Suited for lubrication of heavy duty plain and rolling element bearings operating under loads. Ideal for providing long term lubrication for gear box applications. Reduce friction and wear and offer high load carrying capacity. Offer good surface protection from wear, inhibit corrosion and also exhibit good resistance to oxidation Contains lead free EP additives. 	yellowish mineral oil lithium soap thickener lead free EP additive adhesion improver Packaging 5 kg 30 kg 170 kg 180 kg	1 0 00 000	-20 to +120
KIL ML SERIES Fluid Greases for Centralized Lubrication Systems	 A family of high performance high quality, non leaded EP industrial greases based on lithium hydroxystearate soap thickener and high viscosity index base mineral oils. For lubrication of all heavy duty bearings and for all greasing points of machinery parts / components. Suited for lubrication of heavy duty plain and rolling element bearings operating under severe operating conditions of loads, environments, temperatures or wet conditions. Ideal for providing long term lubrication for gear box applications. 	yellowish mineral oil lithium soap thickener lead free EP additive adhesion improver Packaging 30 kg	1 0 00 000	-20 to +130



GREASE I OPEN GEARS

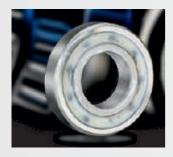


Product	Benefits / Applications	Туре	NLGI Grade	Operating Temperature °C
KIL HD 880 Open Gear Grease	 Highly adhesive grease forms a film of solid lubricants to prevent wear and friction and reduces pitting in gear tooth flank during operations. Resistant to water and water washout and protects surface from corrosion. Solid lubricants protect gear teeth from galling, pitting, welding and excessive wear, especially under heavy loads and slow or vibratory movements. 	black mineral oil inorganic thickener solid lubricants adhesion improver additives Packaging 5 kg 30 kg	2~3	-25 to +120
KIL OG 730 Adhesive Open Gear Grease	 Highly adhesive grease forms a film of solid lubricants to prevent wear and friction and reduces pitting in gear tooth flank during operations. Resistant to water and water washout and protects surface from corrosion. Solid lubricants protect gear teeth from galling, pitting, welding and excessive wear, especially under heavy loads and slow or vibratory movements. 	black mineral and synthetic oil inorganic thickener solid lubricants adhesion improver additives Packaging 5 kg 30 kg	2	-10 to +200



GREASE I HIGH SPEED BEARINGS





- Low noise, high-speed greases for plain and rolling bearings.
- Based on synthetic oils and lithium soap along with additives for protection from corrosion and oxidation, they are highly resistant to ageing and offer low internal friction.
- They reduce friction and wear, increase service life of equipment and cut down on lubrication costs by increasing relubrication intervals.
- Suitable for plain and rolling bearings, small and miniature bearings, low-noise and precision bearings, for precision mechanical and optical equipment and low temperature applications.

Product	Appearance / Color	Base Oil	Thickener	NLGI Grade	Drop Point °C	Operating Temperature °C	DN Factor (dm x n)	Packaging
KIL BC 25	smooth buttery / ivory	synthetic oil	barium complex	2	+230	-40 to +150	1,000,000	1 kg
KIL RBL 33	smooth buttery / light tan	synthetic oil	lithium	2	+180	-50 to +140	1,000,000	1 kg
KIL RBL 55	smooth buttery / yellowish	synthetic oil	lithium	2	+195	-40 to +150	1,300,000	1 kg



GREASE I PLASTIC & METAL LUBRICATION



Product	Benefits / Applications	Туре	NLGI Grade	Operating Temperature °C
KIL LUB 840 Series Synthetic Greases	 Suitable for lubrication of plastic-plastic, plastic-metal, rubber-metal pairings at low to moderate speeds and moderate to high loads as in rubber seals, gaskets, plastic gears, data processing and office equipment, toys, domestic appliances etc. Compatible with most plastics, lower friction and operating noise level, resistant to oxidation and ageing, extend service life. Do not contain any silicone or mineral oil. Non staining and can be used in place of dark colored products, very good low temperature performance. 	light tan synthetic oil lithium soap additives Packaging 1 kg 5 kg 30 kg	0 1 2	-55 to +140
KIL LUB 850 L Synthetic Grease	 Grease exhibiting good adhesion for lubrication of plastic-plastic, plastic-metal pairings at low to moderate speeds and moderate to high loads. Compatible with most plastics, lowers friction, resistant to oxidation and extends service life. Free from silicone or mineral oil, non staining and can be used in place of dark colored products. Good low temperature performance. Use as a damping grease for long life to lifetime lubrication and noise reduction between mating plastic parts or plastic components in motion such as gears, bushes, seals in data processing and office equipment, toys, domestic appliances. 	light tan synthetic oil lithium soap additives Packaging 1 kg 5 kg	1	-40 to +150
KIL RBL 301 Synthetic Grease	 Suitable for lubrication of plastic-plastic, plastic-metal, rubber-metal pairings at low to moderate speeds and moderate to high loads as in rubber seals, gaskets, plastic gears, data processing and office equipment, toys, domestic appliances etc. Compatible with most plastics, lower friction and operating noise level, resistant to oxidation and ageing, extend service life. Does not contain any silicone or mineral oil. Non staining and can be used in place of dark colored products. Very good low temperature performance. 	light white synthetic oil lithium soap Packaging 1 kg 5 kg 30 kg	1	-50 to +140



GREASE I ELECTRICAL CONTACTS



Product	Benefits / Applications	Туре	NLGI Grade	Operating Temperature °C
KIL SYC 60	 For providing conductivity to electrical contacts. Provides superior lubrication and offers complete 	light tan synthetic oil	2	-40 to +150
Electrical Contact Grease	protection to electrical contacts from weathering influences such as corrosion, oxidation, and moisture penetration.	lithium complex soap additives		
	 Prevents burning, oxidation, carbonization, arcing and erosion of contact surfaces. Free from silicones. For electric contacts of all types to prevent spark erosion and burning. Also available SYC 61 grease as NLGI 2-1 grade. 	Packaging 1 kg		
KIL SYC 67	Synthetic grease formulated for providing lubrication as well as protection to electrical contacts.	light gray synthetic oil	2	-40 to +135 (peaks up to +150)
Electrical Contact Grease	 Offers complete protection to electrical contacts from weathering influences such as corrosion, oxidation, and moisture penetration. Non-drying and forms an invisible film to reduce 	thickener additives		
	 frictional wear and improve life of contacts. Prevents spark erosion and burning. Reduces cross contact seizing. Preserves contacts even at high temperatures or heat. Free of mineral hydrocarbon fluids or silicones. 	Packaging 1 kg		

GREASE	ELECTRICAL, CONDUCTIVE			
Product	Benefits / Applications	Туре	NLGI Grade	Operating Temperature °C
KIL SYC 63 Conductive Grease	 Highly conductive grease that permits minimum voltage drop across contacts. Suitable for transmission of electricity at high or low voltages. Prevents corrosion and preserves contacts even at high temperatures or heat. Withstands severe arcing. Lubrication of electric powered contacts at high and low voltages; electrical contacts and linkages in circuit breakers (up to 33kV); contacts and equipment under corrosive atmospheres such as battery terminals, switches, relays, starters, contactors, plug sockets, over load tap changers. 	black synthetic oil inorganic thickener Packaging 1 kg	2-1	-20 to +160
KIL SYC 65 Conductive Grease for Roller Bearings	 Synthetic, electrically conductive, heavy duty grease for lubrication of roller bearings subject to static electricity. Employs a special electrically conductive and fibrous grade of carbon as the lubricating solid for conducting generated static electrical charges through the grease and thereby prevent damage caused thereof to the rolling element due to local voltage discharge. Suited for lubrication of roller bearings below 1 ampere. Lubrication of bearings of electric motors, copiers, foil film printing and stretching machines. 	black synthetic oil lithium thickener Packaging 1 kg	2	-40 to +150



GREASE I DAMPING







Product	Benefits / Applications	Grade	Operating Temperature °C
KIL YE 330 S YE 333	Specially formulated synthetic greases for maintenance free lubrication of precision mechanisms and instruments.	YE 330 S YE 330	+5 to +95 +5 to +200
Synthetic Damping Greases	Primarily developed for use as damping greases, these soft and built in extremely tacky consistency greases give a very smooth feel to automatic mechanisms and devices. Non-drying, invisible film effectively dampens noise and vibrations.	Packaging 5 kg	
Greases	Non-drying, invisible film effectively dampens noise and vibrations. Do not harden even after long-term exposure to high temperatures and have very good resistance to oxidation, water, steam, humid environments and chemicals. For damping free movements due to vibration by increasing frictional resistance, sealing entry of moisture and providing a smooth free sliding noiseless motion to: - Automatic devices and precision instruments - Controllers - Tuners - Potentiometers - Optical Instruments - Push-pull controls - Spectrometers - Camera mechanisms - Telescopes - Hardware fittings - Speedometers - Slides		
	 Slides Ejector mechanisms of audio / visual systems Damping grease for consumer electronic equipments Damping grease for domestic appliances & hardware mechanisms 		

GREASE I DOMESTIC GAS COCKS							
Product	Benefits / Applications	NLGI Grade	Operating Temperature °C				
KIL DG 140 Gas Cock	 For lubricating all natural gas stop cocks of domestic appliances and gas taps made of metal, plastic or glass. Water resistant. Good sealing properties. 	3	0 to +180				
Grease	 Non melting grease does not create any grease dripping problems. Suitable for gas taps made of metal, plastic and glass. Highly adhesive grease with MoS₂ solid lubricants reduces wear and friction. 	Packaging 1 kg					



MRO I CLEANERS, FOR ELECTRONICS / ELECTRICAL EQUIPMENT



Product	Features	Flash Point, °C	KB Value	Evaporation Rate	Residue	Dielectric Strength	Applications
KIL CS 10 Electrical & Electronics Components Cleaner Propellant: CO ₂	 High purity, fast air drying, fast penetrating and rapidly evaporating non chlorinated cleaner for precision equipment. Removes contaminants like oil, grease, dirt, dust, moisture. Fully plastic safe. Does not leave any residue on evaporation. 	-17 (aerosol) Packaging 460 ml spray 575 ml spray	31	very fast	none	NA	Use for cleaning PCB's, controls, communication, electrical, electronic, aviation and industrial equipment etc
KIL CS 50 Electrical Equipment & Motor Cleaner Propellant: CO ₂	 Fast evaporating, fast drying, non flammable, non residue, on line, heavy duty, high dielectric strength cleaner for penetrating and removing moisture, carbon, grease, oil and other contaminants. Prevents intermittent failure of equipment due to flashovers, tracking, short circuits and corona discharges. Non staining, non corrosive & safe on all metals. 	Packaging 575 g spray 4 kg 30 kg 290 kg	133	fast	none	36 Kv	For cleaning grease, oil and similar contaminants from heavy duty electrical equipment as motors, terminals, bus bars, insulators, transformers, switchgears, commutators * Not for use around sensitive plastics
KIL CS 60 Electrical Equipment & Motor Cleaner Propellant: CO ₂	 Fast evaporating, fast drying, non flammable, non residue, on line, heavy duty, high dielectric strength cleaner for penetrating and removing moisture, carbon, grease, oil and other contaminants. Prevents intermittent failure of equipment due to flashovers, tracking, short circuits and corona discharges. Non staining, non corrosive & safe on all metals. 	none Packaging 567 g spray 4 kg	93	fast	none	37 Kv	For cleaning grease, oil and similar contaminants from heavy duty electrical equipment as motors, terminals, bus bars, insulators, transformers, switchgears, commutators * Not for use around sensitive plastics
Heavy Duty Bearing & Parts Cleaner Propellant: CO ₂	Non flammable, non residue, fast evaporating, heavy duty cleaner for penetrating and removing moisture, carbon, grease and oil contaminants, wax coatings, corrosion inhibitors etc from metal surfaces.	none Packaging 575 g spray	130	fast	none	NA	Bearings, valves, gears, chains, sprockets, hoists * Not for use around sensitive plastics
Foaming Type Carbon Remover Propellant : Non CFC	 Fast acting foaming type formula for removal of carbon, paint, adhesives, lacquers and varnishes without excessive scraping or causing damage to the surfaces. Safe on metals. Powerful cleaning action lifts off tough carbon deposits Penetrates deep to the innermost coat to loosen tough contaminants. 	-17 (aerosol) Packaging 575 ml spray	NA	NA	NA	NA	Use for DC motor commutator cleaning, removal of carbon deposit post flashover, from bus bars, of paints or varnishes from electric motors * Not for use around sensitive plastics



MRO I CLEANERS, FOR ELECTRONICS / ELECTRICAL EQUIPMENT



Product	Features	Flash Point, °C	KB Value	Evaporation Rate	Residue	Dielectric Strength	Applications
KIL Knviro Contact Cleaner, Offline Propellant: CO ₂	 High purity, non chlorinated, heavy duty cleaner designed to clean contacts, improve performance & prevent failures. Rapidly penetrates to quickly clean and remove moisture, grease, oil, carbon, dirt, dust, oxides and other light contaminants. Fast evaporating, leaves no residue and safe for use on plastics, metals, rubbers, metals, varnishes etc 	-17 (aerosol) Packaging 465 ml spray 580 ml spray	31	very fast	none	NA	For cleaning contacts, controls, relays, switches, motors, connectors, generators, ignition systems, terminals, sensors, circuit breakers, plugs & sockets
KIL Freeze & Fault Detect Coolant Spray Propellant: Non CFC	 Non flammable coolant spray for intermittent testing of electronic components. Locates faulty components suspected of thermal intermittent failure & shorts by cold shock chilling. Freezes up to -55°C. 	none Packaging 330 ml spray	NA	very fast	none	NA	For heat shrink fitting of electrical parts during assembly and for protectior of heat sensitive parts from high temperatures during soldering or desoldering processes.
KIL Micro Dust Remover High Pressure Duster Propellant: Non CFC	 Delivers pure 100% dry, moisture free cleaning agent. Non staining & non corrosive. Leaves no residue and blows away microscopic dust, lint, sand, metallic oxides and other soils. Non abrasive & non-corrosive. 	none Packaging 330 ml spray	NA	very fast	none	NA	Non-flammable, non- conductive and safe to use on all metals, plastics, rubbers, optics, glass and delicate components.
KIL OFC Optical Fiber Cleaner Propellant: Non CFC	 For removing microscopic dust from assemblies, telecommunication equipment and optical fiber cables. High purity formulation and moisture free cleaning agent does not scratch plastics, glass, optics, rubber or hardware and cleans contaminants quickly. 	none Packaging 500 g spray	NA	very fast	none	NA	To remove dust in optical fibers, junction boxes, fiber glass connectors, communication equipment
KIL P 20 Contact Cleaner, Online, 100% Plastic Safe Propellant: Non CFC	 Non-flammable blend of high purity, high dielectric strength cleaners designed to clean electrical contacts and switches. Non conductive, fast evaporating, residue less, removes moisture & contaminants. Does not contain chlorinated solvents. Safe on all plastics, metals, rubbers, insulation materials. 	none Packaging 425 g spray	48	very fast	none	36 Kv	For cleaning contacts, controls, relays, switches, motors, connectors, generators, ignition systems, terminals, sensors, circuit breakers, plugs & sockets
KIL Premium Contact Cleaner, Online, Plastic Safe Propellant: CO ₂	 Non-flammable blend of high purity, high dielectric strength cleaners designed to clean electrical contacts and switches. Non conductive, fast evaporating, residue less, removes moisture & contaminants. Does not contain chlorinated solvents. Safe on most plastics, metals, rubbers, insulation materials. 	none Packaging 500 g spray	56	very fast	none	31 Kv	For cleaning contacts, controls, relays, switches, motors, connectors, generators, ignition systems, terminals, sensors, circuit breakers, plugs & sockets



MRO I NON CHLORINATED SOLVENT BASED CLEANER, BULK



Product	Features	Flash Point, °C	KB Value	Evaporation Rate	Residue	Dielectric Strength	Applications
KIL CS 35 Cleaner, Non Chlorinated Solvent based	 Odorless, high flash point, heavy-duty, non chlorinated cleaner. Rapidly penetrates through contaminants and cleans equipment fast. For tough cleaning jobs for removal of stubborn contaminants, grease, oils, dirt and other such soils where regular grade cleaning agents fail. 	+61 / 144 Packaging 5 liter 30 liter 210 liter	27	very slow	none	38 Kv	For heavy duty cleaning / degreasing applications of all motors, transformers, switchgears, electrical, electromechanical, mechanical components by manual and or by soaking / dipping in tank process. Safe on metals, plastics, varnishes and similar electrical insulation materials.
KIL CS 85 Cleaner, Non Chlorinated Solvent based	 Odorless, heavy-duty, non chlorinated cleaner. Rapidly penetrates through contaminants and cleans equipment fast. For tough cleaning jobs for removal of stubborn contaminants, grease, oils, dirt and other such soils where regular grade cleaning agents fail. 	+40 / 104 Packaging 5 liter 30 liter 210 liter	27	slow	none	38 Kv	For heavy duty cleaning / degreasing applications of all motors, transformers, switchgears, electrical, electromechanical, mechanical components by manual and or by soaking / dipping in tank process. Safe on metals, plastics, varnishes and similar electrical insulation materials.



MRO I CLEANERS, ELECTRICAL, MOISTURE DISPLACERS



Product	Features	Flash Point	Appearance / Odor	Solubility in Water	Residual Film Type	Density	Applications
Electrical Grade Maintenance Spray Propellant: CO ₂ Packaging 500 ml spray	 Fast acting electrical grade lubricant, penetrant and corrosion inhibitor for improving electrical equipment performance. Forms a clear, thin, non-drying film that penetrates deep into the minutest crevices to displace trapped moisture and leaves behind a non-conductive protective film to seal out further moisture and corrosion. Prevents electrical malfunctions such as flashovers, electrical shorts, leakages, tracking. No silicones, or CFCs. Safe around all metals, plastics, rubbers and other electrical insulation materials 	+91°C	amber liquid / mild petroleum	Negligible	thin oily	0.82 g/ml	For cleaning, removing moisture and protecting all contacts, controls, relays, switches, motors, connectors, generators, ignition systems, terminals, sensors, circuit breakers, transformers, switchgears, bearings, generators, gears, tuners, busbars, connectors, potentiometers, solenoids, capacitors, communication equipment.
Moisture Displacer Non flammable Propellant: CO ₂ Packaging 510 g spray	 Ultra thin, protective, non toxic, non flammable, dielectric, inert, electrical grade corrosion inhibitor & demoisturant for displacing water, improving electrical equipment performance, moisture proofing, salvaging and protecting electrical equipment. Displaces water from wetted out insulation due to its unique heavier than water formula that seeks water / moisture and displaces it to dry wet electrical systems by its hydrophobic, water repelling action. Improves Megohm measurements and dielectric properties. High dielectric strength of 31Kv Use in combination with KAISER INDUSTRIES Ltd. CS 50 / KAISER INDUSTRIES Ltd. Premium electrical cleaners. 	+200 (of film)	amber liquid / solvent	Negligible	thin oily	> 1 g/ml	For removing entrapped moisture and restoring IR values from electrical and mechanical assemblies as transformers, electrical motors etc, for preventing sparking or arcing on HT / LT bus bars, for preventing flash overs, corona shorts, leakages caused due to ingress of moisture.



MRO I ELECTRICAL PROTECTIVE COATINGS & VARNISHES





Product	Benefits / Applications	Key Features	Properties		Packaging
KIL Kopro Clear Conformal Coating for Printed Circuit Boards	 Fast air drying, light weight, clear, tough, flexible acrylic coating for protection of PCBs against corrosion, moisture ingress, fungus, rust and tarnish. Easily solderable, abrasion and scratch resistant. Meets requirements of MIL-I-46058C. Use for insulation and protection of all electrical, electronic and high tech equipment of: general electronics, circuit boards, thick film circuits, high voltage transformers, motor coils, cables, wires. 	Excellent water proofing abilities Does not crack, peel or fade to yellowish color.	Color Drying time - to touch - to handle - to full cure Propellant	water white 5 m 10 m 15 h Non CFC	400 ml spray 550 ml spray 5 liter
Anti Track Coating, H Class	 Fast air drying, high dielectric strength anti track coating to provide effective insulation of electrical equipment by preventing tracking, corona discharges, flash overs and electrical failures. Durable and flexible protective film with excellent resistance against oils, chemicals, moisture condensation, weathering effects. Useful for bus bars, insulators made of ceramic or epoxy, bakelite sheets, internal surfaces of junction boxes. 	Seals out moisture with a visible, highly glossy, smooth abrasion resistant protective coating	Color Class Dielectric strength Drying time - to touch - to handle - to full cure Propellant	brick red H 2200 V/mil 10-15 m 30-45 m 24 h Non CFC	500 ml spray 4 liter
KIL RC 60 Red Insulating Varnish, F Class	 Fast air drying, flexible, tough finishing coating with excellent adhesion to metal windings and coils. Restores insulation resistance (IR) values, increases life and reliability of equipment performance by preventing premature failures. Provides surface protection against oils, water, moisture, acids, alkalis and temperatures. Use for motor windings, terminals, stator coils, LT & HT insulators for improving Megaohm and dielectric values. 	Anti tracking, protective finishing coating with exceptional penetrating, insulating and sealing properties	Color Class Dielectric strength Drying time - to touch - to handle - to full cure Propellant	red F 2100 V/mil 10-20 m 50-60 m 24 h Non CFC	500 ml spray 4 liter

MRO I DRY FILM COATING, CONDUCTIVE

Product	Features	Property		Applications
KIL 1700	Micro fine, high purity graphite based dry film coating that air dries immediately on application to form	Color Type Drying time	black paint like liquid 5 minutes air cure	For use in bus bars, isolator jaws, circuit breaker in 11 KV and higher voltage
Graphite Conductive Coating	 an electrically conductive coating. Prevents bi-metallic corrosion, arcing, improves conductivity and preserves surfaces from heat and temperatures. High lubricity graphite solid film 	Temperature limit, °C Propellant	+500 non CFC	systems.
Packaging 400 ml spray	provides a slippery film to prevent wear, friction and jamming.			



MRO I BATTERY MAINTENANCE SPRAYS



Product	Benefits / Applications	Properties		Packaging
KIL Battery Terminal Coating Waxy	 Acid resistant corrosion inhibitor for providing long term protection to battery and cable terminals from corrosion and acid sulfation. Soft pliable, air drying waxy film for protection of battery terminals, clamps, connectors. 	Color Propellant	reddish brown non CFC	550 ml
Protection against Corrosion & Sulfation	 Translucent reddish brown color provides easy visual inspection. Safe for use on all metals, rubbers, plastics and paint finishes. Highly resistant to humidity and forms a protective waxy shield against ingress of air and water. 			
	ASV Battery Terminal Coating Dry film type also available.			
KIL Battery Terminal Cleaner	 Formulated to quickly clean corrosion, acid, sulfation, dirt and moisture from battery surfaces. It neutralizes acids on battery terminals, connectors and cases. 	Color Propellant	yellowish foam non CFC	550 ml
Cleaning Terminals & Acid Neutralization	 Discharges as a heavy duty yellowish foam and turns pink up on contact with acids. For cleaning battery terminals during regular servicing and before application of protective coatings. 			



MRO I MAINTENANCE LUBRICANTS & PENETRANTS



Product	Туре	Benefits / Applications	Properties	
KIL 1330 Adhesive Chain Lubricant	Synthetic oil with organo moly complex friction reducing technology Packaging 400 ml spray 5 liter 30 liter	 Highly adhesive oil for lubrication and corrosion protection of chains operating under adverse conditions. Penetrates innermost points to provide heavy-duty lubrication under high loads and pressures. Highly adhesive, very good vertical cling properties and does not get thrown off or drip off. Eliminates metal-to-metal contact. Resistant to hot and cold water & marine environments. Highly suited for open chains, wire ropes and steel cables. 	Color Film type Temperature Propellant	brown adhesive oil up to +200°C non CFC
KIL Belt Dressing Anti Slippage Belt Conditioner	Synthetic, high tack, polymeric lubricant Packaging 400 ml spray	 Non staining, high tack, water resistant synthetic belt conditioning treatment for improving grippage and preventing belt slippage for all flat, round and V-belts. Increases life of belts and improves traction. For use on belts in fans, pumps, machines, conveyors, compressors, generators, textile machinery. 	Color Film type Temperature Propellant	clear, colorless wet tacky up to +250°C non CFC
KIL Freeze & Penetrate Rust Penetrant	Rust loosener spray with lubricating properties	 Industrial strength rust loosener with rust cracking ability caused by rapid chilling, wetting and excellent creeping property due to its high capillary action. Seized or rusted components are easily released by the combination of shock freezing and penetrating action of this 	Color Film type Propellant	clear, yellowish wet, ultra thin non CFC
with Shock Freezing Action	Packaging 400 ml spray	 On spraying it rapidly cools the surface to as low as -40°C due to its unique formulation causing them to shrink thereby opening micro fine cracks through which the lubricant can penetrate easily to free rusted, seized or corroded components. 		
KIL PRL	Polymer and rubber parts lubricant	 Heavy duty, extra solids content, high quality silicones to provide non staining lubrication and protection of rubber & plastic parts from oxidation, age-hardening, moisture. 	Color Film type Temperature	clear, colorless oily -40 to +250°C
Polymer & Rubber Parts Lubricant	Packaging 400 ml spray	 Does not contain any petroleum oil or grease. Lubricant for o-rings, gaskets, seals, rubber parts. Suitable for weather proofing electrical systems. 	Propellant	non CFC
KIL KENETROIL	All purpose maintenance fluid for mechanical and electrical applications	 Multipurpose industrial grade lubricant, penetrant and corrosion inhibitor. Provides a thin non drying oily film that penetrates to remove 	Color Film type Density	clear, mild ambe ultra thin, oily 0.83 g / ml
Multipurpose 5-in-1 Maintenance Lubricant	Packaging 400 ml spray 500 ml spray 5 & 30 liter	trapped moisture and leave behind a protective lubricating film to seal out further entry of moisture and corrosion. • Unique formula rapidly attacks rust to free seized components.	Propellant	CO ₂
KIL Super Penetrant	Low viscosity light weight penetrating oil	 Fast acting, low viscosity, deep penetrating lubricant designed to quickly loosen rusted or jammed components. Travels rapidly to the minutest cracks and penetrates to free rusted parts, threaded connections to enable non destructive disassembly. 	Color Film type Density Propellant	clear, amber ultra thin 0.70 g / ml non CFC
Low Viscosity Light Weight Penetrating Oil	Packaging 500 ml spray	 Also removes moisture, cleans grease, oil, dirt, dust and other mild contaminants. 		



MRO I CLEANERS / DEGREASERS, INDUSTRIAL STRENGTH



Environmentally and user safe, non toxic, industrial strength cleaners / degreasers for the toughest cleaning applications

KAISER INDUSTRIES Ltd. range of cleaning and degreasing products comprise heavy duty grades formulated with environmentally safe ingredients free from harmful chlorinated solvents, CFCS and ODCS, as well as readily biodegradable cleaning formulations.

They are formulated to rapidly clean contaminants as grease, oil, sludge, dirt, dust and impossible or difficult to remove varnish or bituminous residues.

KAISER INDUSTRIES Ltd. cleaners / degreasers are suitable and recommended replacements for products used as petrol, kerosene and CTS that are hazardous to worker health and plant safety.

Benefits

- Non corrosive, non conductive and non staining
- Removes tar, adhesives and other tough contaminants
- Leave no residue
- Safe on metals
- Fast penetrating and superior wetting action

Applications

- For heavy duty cleaning / degreasing applications of metal surfaces and all mechanical equipment as chains, gears, bearings, clutches, generators, hand tools, molds, dies, slides, pumps, forklifts, valves, nuts & bolts, pipes, power tools.
- Safe for use on all metal surfaces, glass, most plastics and ceramics.

to worker health and plan	it safety.	ceramics.		
Product	Key Features	Property		Packaging
KIL CS 50 Cleaner / Degreaser Safe Solvent	 Fast evaporating, fast drying, non flammable, non residue, on line, heavy duty, high dielectric strength cleaner for penetrating and removing moisture, carbon, grease, oil and other contaminants. Non staining, non corrosive & safe on all metals. 	Color Odor Flash point, °C KB value Evaporation rate Propellant	clear, colorless mild solvent none 133 fast CO ₂	575 g spray 4 kg 30 kg 290 kg
KIL CS 70 Cleaner / Degreaser Bearing Solvent	Non flammable, non residue, fast evaporating, heavy duty cleaner for penetrating and removing moisture, carbon, grease and oil contaminants, wax coatings, corrosion inhibitors etc from metal surfaces.	Color Odor Flash point, °C KB value Evaporation rate Propellant	clear, colorless mild solvent none 130 fast CO ₂	575 g spray
KIL CS 80 Cleaner / Degreaser	 Biodegradable & leaves no residue. For cleaning jobs for removal of stubborn contaminants as grease, oil, dirt, tar, adhesives, bitumen. Free from any chlorinated solvents or CFCs. Non staining, non corrosive and suited for degreasing all metal surfaces. 	Color Odor Flash point, °C KB value Evaporation rate Propellant	clear, colorless citrus -17 (aerosol) 52 very slow CO ₂	500 ml spray
KIL CS 82 Cleaner / Degreaser Universal Grade	 Residue free cleaner / degreaser for fast removal of contaminants from metal surfaces. Rapidly penetrates grease, oil, dirt, dust to clean equipment fast. Non staining, non corrosive, non conductive. Free from any chlorinated solvents or CFCs. 	Color Odor Flash point, °C KB value Evaporation rate Propellant	clear, colorless solvent -17 (aerosol) 52 fast Non CFC	500 ml spray 5 liters 30 liters
KIL CS 86 Cleaner / Degreaser Universal Grade	 Residue free cleaner / degreaser for fast removal of contaminants from metal surfaces. Rapidly penetrates grease, oil, dirt, dust to clean equipment fast and evaporates fast. Non staining, non corrosive, non conductive. Free from any chlorinated solvents or CFCs. 	Color Odor Flash point, °C KB value Evaporation rate Propellant	clear, colorless mild solvent -17 (aerosol) NA fast Non CFC	450 ml spray
KIL Paint & Gasket Remover	 Fast acting blend of solvents for removal of paints, gaskets, adhesives, sealants, lacquers and varnishes without excessive scraping or causing damage to surfaces. 	Color Odor Flash point, °C KB value	milky white solvent -17 (aerosol) NA	580 ml spray
Cleaner / Degreaser	 Cleans stubborn grease, oil, varnish and carbon deposits. 	Evaporation rate Propellant	fast Non CFC	



MRO I CLEANERS / DEGREASERS, BULK



Product Benefits / Applications		Property	Packaging	
KIL Aqua Blue 50 Water based Degreaser	 Multipurpose, aqueous, biodegradable, cleaner / degreaser which can be further diluted with water to meet various cleaning applications. Aggressively attacks and removes grease, oil, dirt, sludge and other light contaminants and allows to be rinsed off with water. Biodegradable and leaves no residue. Multipurpose foaming formula. Nonflammable and non-abrasive. Equals performance of solvent based degreasers. 	Color Odor Flash point, °C KB value Evaporation rate	blue pleasant none NA that of water	1 liter 5 liter 30 liter
KIL CS 35 Cleaner, Non Chlorinated Solvent based	 Odorless, high flash point, heavy-duty, non chlorinated cleaner. Rapidly penetrates through contaminants and cleans equipment fast. For tough cleaning jobs for removal of stubborn contaminants, grease, oils, dirt and other such soils where regular grade cleaning agents fail. For heavy duty cleaning / degreasing applications of all motors, transformers, switchgears, electrical, electromechanical, mechanical components by manual and or by soaking / dipping in tank process. Safe on metals, plastics, varnishes and similar electrical insulation materials. 	Color Odor Flash point, °C KB value Dielectric strength Evaporation rate Residue on evaporation	clear, colorless solvent +61 27 38 Kv very slow nil	5 liter 30 liter 210 liter
KIL CS 85 Cleaner, Non Chlorinated Solvent based	 Heavy-duty, non chlorinated cleaner. Rapidly penetrates through contaminants and cleans equipment fast. For tough cleaning jobs for removal of stubborn contaminants, grease, oils, dirt and other such soils where regular grade cleaning agents fail. For heavy duty cleaning / degreasing applications of all motors, transformers, switchgears, electrical, electromechanical, mechanical components by manual and or by soaking / dipping in tank process. Safe on metals, plastics, varnishes and similar electrical insulation materials. 	Color Odor Flash point, °C KB value Evaporation rate Dielectric strength Residue on evaporation	clear, colorless solvent +40 50 slow 38 Kv nil	5 liter 30 liter 210 liter
KIL CS 87 Cleaner / Degreaser	 Non chlorinated, cleaner / degreaser for mechanical cleaning applications. It rapidly penetrates through grease, oil, dirt, dust and other contaminants and cleans equipment fast. Cleans metal surfaces effectively due its superior penetrating and wetting ability. On addition to water, it seeks out grease and heavy contaminants to effectively break them down and completely removes them. 	Color Odor Flash point, °C KB value Evaporation rate	blue solvent +48 50 very slow	5 liter 30 liter

Flash point test method: TCC



MRO I CORROSION INHIBITORS



Product	Benefits	Humidity Cabinet Test, h	Type & Duration	Properties		Packaging
MIL RNC 10 Dry Waxy Film Type	 Fine waxy dry film type corrosion inhibitor for providing short term protection from rust and corrosion. Forms a light protective film over the surface and seals entry of moisture & corrosion. Dry non-staining formulation resists dirt & dust build up and is safe for use on all metals. 	>200	Up to 6-9 months Indoor	Color Film type Flash point, solvent Dry time - to touch Propellant	clear or green dry waxy +60°C ~30 minutes Non CFC	400 ml spray 5 liter 30 liter
KIL RNC 20 Ultrathin Oily, Non Staining Film Type	 Very effective corrosion inhibitor and assures complete surface protection from water, oxygen and rust. Non conductive, non staining & compatible with most plastics, metals, rubbers and coatings. Does not leave sticky residues. Can be used without removal of the oily protective film. 	>100	Up to 9 months Indoor	Color Film type Flash point, solvent Dry time - to touch Propellant	clear amber ultra thin, oily +40°C NA Non CFC	400 ml spray 5 liter 30 liter
KIL RNC 30 Thixotropic Greasy Film Type	 Soft greasy film type corrosion inhibitor for providing long term surface protection to all metals and components. Displaces moisture and is highly resistant to humidity Forms a protective shield against rust, moisture and corrosive influences. 	> 720	Up to 2 years Indoor & Outdoor	Color Film type Flash point, solvent Dry time - to touch Propellant	brownish greasy +60°C ~60 minutes Non CFC	400 ml spray 5 liter 30 liter
KIL RNC 60 Firm Waxy Film Type	 Firm waxy film completely seals out moisture. Forms a dry, transparent amber color film. Displaces moisture and prevents formation of rust and corrosion. Highly resistant to heat, humidity, chemicals or corrosive operating conditions. Extremely suited for preservation and storage of critical spares or during shipping. Easily removable Also available RNC 60 HS (higher solids grade in bulk only) for applications requiring single thicker coat. 	>1440	Up to 2 years Indoor & Outdoor	Color Film type Flash point, solvent Dry time - to touch Propellant	dark, reddish dry waxy +40°C ~60 minutes Non CFC	400 ml spray 5 liter 30 liter



MRO I CORROSION INHIBITORS



Product	Benefits	Salt Spray Test, h	Type & Duration	Properties		Packaging
KIL AL 600 High Heat Aluminum Coating	 High heat resistant coating, air dries quickly on application to form long lasting finish resistant to surface temperatures reaching as high as 600°C. For all exposed metal surfaces, especially where extreme heat resistance is required, such as chimneys, stoves, piping, engines, ovens, steam pipes, kilns. 	NA	Indoor & Outdoor	Color Film type Pigment Pigment purity Drying time - to touch - fully cure Film thickness, µm Temperature range,°C Propellant	bright silver dry, paint like aluminum 99.5% 10-15 m 8-12 h 20-40 to +600 Non CFC	400 ml spray 5 liter
KIL Bright Zink Cold Galvanize Bright Finish	 High zinc solids based sacrificial coating for cathodic protection of metal surfaces. Contains 99.99 % pure zinc flakes, the highest level in metal purity for enhanced level of protection. Fast air drying. Provides true galvanic corrosion protection to metals. Stops rusting and rust creepage. Repairs damaged hot dip galvanized surfaces. Leaves a brilliant metallic finish film matching to that of hot dip galvanizing. Ideal for on site jobs. 	>240	Indoor & Outdoor	Color Film type Pigment Pigment purity Drying time - to touch - fully cure - for topcoat Film thickness, µm Temperature range,°C Propellant	bright silver dry, paint like zinc flakes, aluminum 99.9% 10-15 m 12 h 24 h 30-50 -50 to +300 Non CFC	400 ml spray 4 kg
KIL SS 185 Satin Finish Stainless Steel Coating	 Provides long lasting durable film of 100% pure SS 316L pigments. Excellent outdoor durability. Fast air drying and adheres well to surfaces. Single component coating with satin sheen finish and luster look of stainless steel. Offers long lasting corrosion protection. Does not contain any lead. 	>200	Indoor & Outdoor	Color Film type Pigment Pigment purity Drying time - to touch - fully cure Film thickness, µm Temperature range,°C Propellant	silver gray dry, paint like pure SS 316L 98.5% 10 m 12 h 20-30 -50 to +300 Non CFC	400 ml spray
KIL SS 185 SB Satin Finish Stainless Steel Coating 'SB Special Bright' Grade	 Provides long lasting durable film of 100% pure SS 316L pigments. Excellent outdoor durability. Fast air drying and adheres well to surfaces. Single component coating with satiny silver gray finish. Offers long lasting corrosion protection. Does not contain any lead. 	>140	Indoor & Outdoor	Color Film type Pigment Pigment purity Drying time - to touch - fully cure Film thickness, µm Temperature range,°C Propellant	silver gray dry, paint like pure SS 316L 98.5% 10 m 10h 20-30 -50 to +300 Non CFC	400 ml spray



MRO I WELDING AIDES, SPATTER RELEASE, AEROSOL



Product	Benefits / Applications	Туре	Film Type	Color	Propellant	Packaging
KIL ASA 370	 Non corrosive, non staining, separation agents for preventing 	silicone free spatter release	oily	water white	non CFC	500 ml spray
AS 720	adherence of spatter to welding surfaces.Prevent burning of welding	silicone based spatter release	oily	water white	CO ₂	555 g spray
Welders Anti Spatter	spatters on contact tips and work pieces thereby eliminating the need for chiseling, grinding or brushing after welding. Improve surface finish of equipment and save valuable time	silicone based spatter release	oily	water white	non CFC	290 g spray
Anti Spatter Agents	and labor.Provide long lasting anti adherent effect.Extend nozzle life.					

MRO I WELDING AIDES, SPATTER RELEASE, BULK

Product	Benefits / Applications	Туре	Film Type	Color	Water Dilutable	Packaging
KIL ASA 100 Anti Spatter Agent, Water Based	 Formulated with special synthetic release agents, it prevents burning of welding spatters on contact tips and work pieces thereby eliminating the need for chiseling, grinding or brushing after welding. Improves surface finish of equipment and saves valuable time and labor. Does not contain any silicones. Outperforms aerosol based spatter release agents and besides economy adds to the safety of usage as it contains no flammable solvents or propellants especially in enclosed work areas. 	silicone free spatter release, water based	oily	mild blue	yes	5 liter 30 liter
KIL ASA 200 RW Anti Spatter Agent, For Robotic Welding	 Prevents burning of welding spatters on contact tips & work pieces. Provides long lasting anti adherent effect. Special viscosity makes it easy for application by mist type atomization or by dipping method. Extends nozzle life. Non flammable formulation Silicone free. 	silicone free spatter release	oily	colorless	NA	5 liter 30 liter



Mold Release

Silicone Free

MRO I MOLD RELEASE, CLEANING & PROTECTION

required after molding.

Remove protective coatings and oils from mold prior to use.
For use on molds, pins, chains, bushes and similar mechanical

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equipment.



Product	Benefits / Applications	Туре	Film Type	Color	Propellant	Packaging
KIL 4298	 High quality heavy-duty silicone prevents sticking. Provides maximum efficiency & economy. Fewer rejects & more production. Excellent for high temperatures Improves product surface finish. Non-staining & non-corrosive. 	silicone based mold release agent	oily	water white	non CFC	550 ml spray
KIL HD 100		silicone based mold release agent	oily	water white	non CFC	550 ml spray
KIL Silicone KIL Mold Release		silicone based mold release agent	oily	water white	non CFC	500 ml spray
Mold Release Silicone based						
KIL 7299	Paintable mold release agent that is ideal for all types of plastics where decorating is	silicone free mold release agent	oily	water white	non CFC	550 ml spray

Product	Benefits / Applications	Туре	Flammable	Color	Propellant	Packaging
KIL CS 86	 Fast penetrating non abrasive cleaners. 	solvent based cleaning agent	yes	colorless	non CFC	450 ml spray
KIL MC 10	 Evaporate rapidly on application without leaving any residue. Effectively clean & remove grease, oil, dirt & dust. Rapid cleaning & penetrating 	solvent based cleaning agent	no	colorless	CO ₂	500 g spray
Mold Cleaners	action.Colorless and odorless.Non staining & non corrosive.					

MRO I CORROSION INHIBITORS, MOLDS						
Product	Benefits / Applications	Туре	Film Type	Color	Propellant	Packaging
KIL RNC 10/ RNC 22	Thin film provides short term corrosion protection for up to 9	wax based corrosion inhibitor	dry, waxy	clear or green	Non CFC	400 ml spray
	months indoor storage conditions.	corrosion inhibitor	thin, oily	mild amber	Non CFC	400 ml spray
RNC 20	Stop further rusting.Penetrate into minutest cracks.	corrosion inhibitor	thixotropic	clear or blue	Non CFC	300 g spray
Mold Protector	to stop further moisture ingress. • Removal of the film is not					
Wax Coating	necessary as they provide mild lubrication.	wax based corrosion inhibitor	dry, waxy	clear or blue	Non CFC	300 g spray
Mold Protectors	• Do not attract dirt & dust.					



MRO I TEXTILE MACHINERY MAINTENANCE SPRAYS





Product	Benefits / Applications	Туре	Properties		Packaging
KIL PLC PLC 200 Anti Fluff; Cleaner cum Mild Lubricant	 Non staining synthetic lubricant cum cleaner formulated specially for textile machinery parts such as scissors and cutting mechanisms of knotters and splicers in weaving, winding, spinning, sewing and knitting machinery where mechanisms are intricate and delicate and operating speeds are high. Useful for cleaning dirt, dust, fluff and providing a non-staining lubricating film for reducing wear and friction. Non sticky & leaves no carbon residue. Reduces wear & protects against corrosion. 	ultra thin, light oily film cleaner cum synthetic lubricant for splicers and knotters	Color Propellant	colorless non CFC	500 ml
KIL R 30 Extreme Pressure Moly Spray	 Molybdenum disulfide based extreme pressure lubricating oil for lubrication of cams, bearings, springs, cam followers, slides, gears, pins, chains, sliding or mating parts. Suited for use as a high speed, anti wear, EP lubricant for sliding parts in textile machinery such as Autoconers. 	extreme pressure lubricating oil with MoS ₂	Color Viscosity Propellant	black ISO VG 68 non CFC	400 ml

Product	Benefits / Applications	Туре	Properties		Packaging
KIL WC Series	For non destructive inspection testing of surface flaws. In this system, the test surface or object is coated with a colored visible dye solution post removal of which a white contrast blotting developer is applied which blots the dye solution against the white background and imperfections	WC 1 Cleaner solvent mixture	Color Propellant	colorless non CFC	425 ml 1 liter 5 liter
Testing Aides and flaws on the surface lines. Detects surface defect micron depth on stand Extremely low content Convenient and economeed for costly and so Aerosol packs provide effective medium. Free from CFC's, chlor	and flaws on the surface are detected red spots or red lines. • Detects surface defects up to 1 micron width x 30	WC 2 Red Dye red liquid dye	Color Propellant	red non CFC	425 ml 1 liter 5 liter
	micron depth on standard Ni-Cr Test panels. • Extremely low content of sulfur and chlorine. • Convenient and economical technology without the need for costly and sophisticated equipment. • Aerosol packs provide a convenient, easy, speedy and effective medium. • Free from CFC's, chlorinated solvents and do not contain any harmful ozone depleting substances or chemicals.	WC 3 Developer white solids suspension	Color Propellant	white non CFC	425 ml 1 liter 5 liter



DELIVERING **DEPENDABLE** & **CONSISTENT SOLUTIONS**FOR INDUSTRY







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