



### High Temperature Chain Oils

**Problem:** Chain oil does not withstand high temperatures. It drips on the components, leads to chain wear, frequent breakdowns & component rejections.

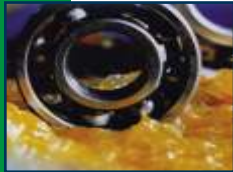
**Solution:** Use IT-7486 by drip/spray dispensing system. IT-7486 is stable at high temperatures & provides best combination of synthetic oils, tack additives and EP additives. It protects against wear. Adherent additives prevent drop-off & spin off. It is also resistant to chemical fumes. It leaves no residues and there is no build-up of lacquers.



### High Performance Gear Oils

**Problem:** Frequent change-over of oil, excessive wear, pitting & galling of the gear teeth.

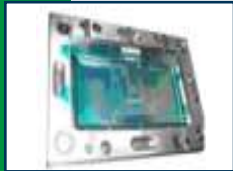
**Solution:** IT-4000 series gear oils are formulated with new generation additives that heal the surface. It helps reduce the temperature and increases the change-over intervals significantly.



### High Temperature Greases

**Problem:** Bearings fail pre-maturely; frequent lubrication and costly maintenance.

**Solution:** Use IT-4311. This grease formulation is based on synthetic stocks and stable thickeners. Longer re-lubrication intervals can be achieved. The greases are extremely stable at high temperature and protect against wear.



### Plastic Injection Moulding

**Problem:** Lubrication failure & premature wear of the ejector pins, grease for the tie-rods/tie bars. Seizing of the high temperature screwed connections etc. Mould protection coatings & high performance cleaners for the moulds.

**Solution:** A complete package of the high performance long-life lubricants & maintenance products designed esp. for the plastic injection industry is available.



### Multi-functional Fluid

**Problem:** Dismantling of seized & rusted components, moisture that creeps in the electrical circuits.

**Solution:** Use IT-1094. It acts in six ways; loosens rust, restores wet electrical contacts, displaces moisture, provides mild lubrication and protects against corrosion.



### Online Precision Electrical Electronic Cleaner Spray

**Problem:** Build up of oxide/sulphide and carbon deposits; Circuits need to be isolated prior to cleaning. Cannot use any solvent due to its unknown compatibility with plastics & elastomers.

**Solution:** Use IT-1100. It is certified on-line cleaner which is safe to use till 440 V. Safe on most of the plastics. Cleans without leaving any residues.

## About us



Incorporated in 2010, CrossNet manufactures, markets & distributes a complete range of lubricant specialties, maintenance products & corrosion protection etc.

Our products exceed the most challenging needs of the modern industry and are designed to perform in the most extreme conditions. These often demonstrate broad applicability & replace hundreds of purpose-formulated conventional oils and greases throughout the industry.

Headquartered at central business district at Navi Mumbai, we are present at most of the industrial estates in the country through our channel partners and our application engineers, who support them.



#58, Maruti Paradise, Sector 15, CBD Belapur, Navi Mumbai - 400 614  
Tel. No.- +91 22 3298 6820 / +91 22 2757 0020 Fax No - +91 22 2756 4748  
E-mail - sales@cnpl.in Web - www.cnpl.in

# PRODUCT REVIEW

helping you easily  
select the right product



Today's manufacturing plants are running faster and harder. Rising costs, competitive pressures and demanding production requirements are forcing equipment to work harder, longer and more efficiently. With increasing demand for more efficiency and productivity, it is imperative to keep production going. Equipment failure, increased friction and wear, as a result of inadequate lubrication lead to manufacturing downtime. Therefore it is important to implement an integral lubricant maintenance program.

But the best equipment maintenance program will only be partially successful unless there is an emphasis on quality lubricants, which keep equipment up and running day after day, year after year with minimal downtime.

We can help provide a selection of high performance multi-purpose oils and greases that can effectively replace conventional lubricants. To ensure customer satisfaction, all our products are backed by a commitment to customer service and superior quality.

## One source for all of your lubricant needs

CrossNet Products Pvt. Ltd offers a complete lines of industrial lubricants and fluids available. We are consolidated source for lubricant supply under one company name - a company you know and trust for superior products and services. As a result, you can get all your lubricants, technical service, product information from one trusted source

### From Mineral Oils to Synthetics

You have an access to the most complete line of lubrication products available including mineral oils and state-of-the-art synthetic fluids. We help manage your lubricating maintenance requirements with a comprehensive line of fluids and oils for every need. Marketed under the 'IT' brand, these products help keep your equipment operating at peak efficiency.

### Specialty Lubricants & Maintenance Products

Our offering also includes a complete line of high-performance specialty lubricants that help reduce friction and wear, extend lubrication intervals and reduce maintenance and replacement costs in applications with performance requirements that cannot be met by conventional oils and greases. These products are formulated to withstand heavy loads; dirty, dusty or chemically harsh environments and a wide range of temperatures and speeds under extreme conditions. In addition to lubricating fluids, we offer different classes of specialty lubricants including compounds, greases, pastes, anti-friction coatings and dispersions. For more information about our specialty lubricants, contact your local representative or check our website at [www.cnpl.in](http://www.cnpl.in)

Publisher and copyright owner  
CrossNet Products Pvt. Ltd.  
Navi Mumbai, India

The application information & data in this brochure is based on our experience & knowledge at the time of printing which is intended to give information of possible product uses to the reader with technical experience.

It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. It is recommended to contact us to discuss your specific application, if required.

We will be pleased to support all your inquiries and meet the standards of the quality products that you are looking for. CrossNet Products Pvt. Ltd. reserves the right to change all the technical data in this brochure at any time without notice.

CrossNet Products Pvt. Ltd.  
#58, Maruti Paradise,  
Sector - 15, CBD Belapur,  
Navi Mumbai - 400 614.

Edition 07.11

Note :

# Contents

Preface	2
Contents	3
Aerosols	4
	5
	6
Cleaners & Degreasers	7
Coatings	8
	9
Oils	10
	11
Greases	12
Pastes	13
Notes	14
Copyright Information	15

CrossNet maintenance aerosols are world class products designed to provide effective solutions to a variety of maintenance problems commonly encountered in the industry. To find a product, begin your search by selecting categories. From there, you'll be able to narrow down your search.

Our products are specifically formulated for use in all manufacturing and industrial environments. From heavy-duty industrial lubricants to general purpose applications these satisfy the most demanding maintenance requirements in every part of your facility.

Pastes are usually designed for easy assembly and dismantling. The structure of pastes corresponds in principle to that of greases. However, the share of solid lubricants is clearly higher. Thus a reliable lubricating, parting and corrosion protection effect is ensured even when used under extreme temperature and pressure conditions and aggressive media.

Pastes are used at screw threaded connections as well as for pressing in pins and bolts, at gearwheels, chucks, hinges and plain bearings.



## Aerosols

IT-1083

### Belt Dressing Spray

Adherent, colorless belt dressing spray. It stops squeaks & gives an instant grip. Its no-stick formula helps preserve belts and it is designed to meet belt manufacturers' guidelines for all flat-ribbed and V-belts. The product contains no chlorinated solvents or CFC's

IT-1084

### PCB Coating Spray

Designed to provide thin layered coating onto the printed circuits or other electronic substrates to protect and significantly extend the life of the components and circuitry against environmental and mechanical damages. The coatings protect electronic printed circuit boards from moisture and contaminants, preventing short circuits and corrosion of conductors and solder joints.

IT-1085

### Dry Lubricant Moly Bonded Coating Lubricant Spray

A dry lubricating bonded coating that is designed for lubrication of the sliding surfaces operating in dirty/dusty atmospheres. It is also used for lubrication of coarse chains and guide ways operating under high loads and exposed to high temperatures or as a lubricant for highly stressed joints with slow sliding speeds and/or oscillating movements.

IT-1086

### High Temperature Chain Lubricant Spray

Designed for all kinds of chains, joints, bearings, seals up to 250 °C. Other applications include its use on chain & wire rope drives at brick works, glass and ceramic industries, steel works, tube manufacturing plants, bakeries etc.

IT-1088

### Insulating Varnish Spray

Specially formulated for use on electrical equipment. It protects against moisture and corrosion. The protecting coating has high arc-resistance and insulating properties.

IT-1089

### High Performance Cleaner & Degreaser Spray

A precision cleaner spray for cleaning and degreasing of the metal surfaces. It is fast evaporating & does not leave any residues. The product exhibits 100 % cleaning efficiency and is free of chlorinated solvents.



## Pastes

IT-9200

### Assembly Paste; Moly based

Assembly lubrication for press-on processes & as a running in lubricant for highly loaded sliding surfaces. Prevents wear, stick-slip, seizing, run-in damage or pitting.

IT-9200-HPP

### Assembly Paste; Solid Lubricant Rich Paste

Assembly lubricant for press-on processes. As a running in lubricant for highly loaded sliding surfaces or difficult metal forming processes. Immediately effective due to high percentage of MoS<sub>2</sub>, no rubbing in of paste necessary.

IT-9201

### Anti-seize Compound - Copper Based

Copper based anti-seize thread paste for assembly of screw threaded connections subjected to high temperatures and corrosive influences. Prevents burning together or rusting on. Enables an optimum ratio of tightening torque to achievable pretension.

IT-9202

### Anti-seize & Lubricating Paste

Copper based anti-seize plus lubricating paste. For assembling screw threaded connections subjected to high temperatures and corrosive influences or moving threaded assemblies. Prevents burning together or rusting on. Enables an optimum ratio of tightening torque to achievable pretension.

IT-9203

### Marine Grade Anti-seize & Lubricating Paste

For assembling screw threaded connections subjected to marine environment. Prevents burning together or rusting on.

IT-9204

### Nickel Based Anti-seize Compound

A nickel based anti-seize compound formulated to work at places where there is exposure to extreme high temperatures. It is used where use of copper based compound is not desirable. The product features very high temperature range. It is highly efficient against corrosion, suppresses stick-slip and prevents seizure and scoring and reduces formation of fretting corrosion.

IT-9205

### Chuck Paste

For sliding surfaces subjected to high pressures, vibrations and impact loads. Provides an optimum coefficient of sliding friction for high elasticity. Resistant to water and cooling lubricants. Prevents frictional corrosion. Designed esp. for chucks on machine tools

IT-9206

### White Assembly Paste

For screws, bolts and sliding surfaces subjected to high pressures at low speeds. Enables an optimum ratio of tightening torque to achievable pre-tension. Prevents frictional corrosion. Metal-free. Waterproof.





Our greases include everything from premium greases you might use for your electrical motors to high-tech greases for the steel, cement, automotive etc., all designed to safely lubricate your equipment at the lowest possible operating cost.

Our credentials as a supplier of greases help you to drive down maintenance costs, increase plant productivity, better protect your equipment and machines & enhance reliability of working parts.

There is no other better choice for a problem-free operation and peace of mind!

Maintenance Aerosols make lubricating, cleaning, rust prevention and more, as easy as a touch of a finger. These minimize the effort needed to maintain today's costly equipment & some of these will reduce cost in repairs, down time for maintenance and loss of materials, damaged by poorly maintained & lubricated equipment.

Manufactured using a unique process, these aerosols contain high percentages of active ingredients with minimum quantity of environmentally compatible media and solvents.



## Greases

## Aerosols



IT-4110

### Very Low Temperature Silicone Grease

An extremely low temperature grease formulated designed for anti-friction bearings, plastic and rubber parts to be used for light-load applications where there is metal-to-metal or metal-to-plastic friction at low to high speeds

IT-4304

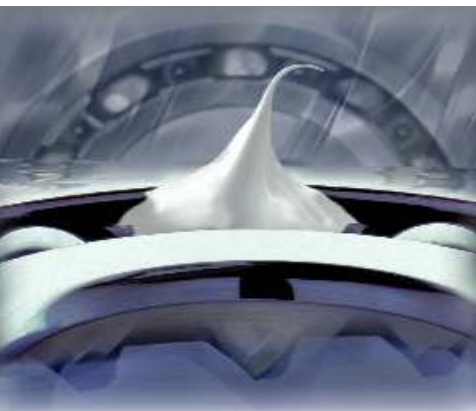
### Electrically Conducting Grease

Synthetic base grease with low inner friction for the lubrication of electrical contacts. Typical application include its use as a lubricating and conducting media in the seam welding machines. The grease is also ideal for use of the heavily loaded plain bearings with metal-to-plastic or metal-to-elastomeric-contact. It protects from corrosion and reduces friction and wear on mechanisms operating under normal to higher load and /or speed.

IT-4305

### White High Performance Multipurpose Grease

Mineral oil based extreme pressure multi-use grease for lubrication of the ball and roller bearings subject to high loads. The lubricant uses select additives which impart exceptional load carrying abilities and is formulated to resist high shock loads and has high lubricating properties which results in extended cycling times and cost reduction.



IT-4308

### High Speed Grease

Based on PAO & lithium soap thickener, the lubricant is designed for high speed bearings upto the DN value of 1 million. The lubricant offers a wide service temperature range and has low friction co-efficient and a low noise performance. Typical applications include its use on the textile machinery, pneumatic cylinder seals or as lubricant for automotive switches etc.

IT-4311

### High Temperature Grease for Paint Booth Conveyor Rollers

High temperature grease designed for use as a lubricant for conveyor trolley bearings exposed to high temperature and heavy loads. Other applications include its use on calendar rolls bearings, induced draft fans or drier bearings etc. The grease is resistant to heat, has a good mechanical & oxidation stability and maintains its structure even after long & continuous exposures to high temperatures.

IT-4312

### High Temperature Grease for Textile Machinery

A high temperature anti-wear grease primarily designed for long-term lubrication of the bearings exposed to high temperature and load. The grease combines unique features of synthetic base fluids with those of an organo-clay, non-soap thickener and molybdenum disulphide. Synthetic ester based oil provides an excellent resistance to thermal/oxidative degradation and this coupled with the excellent high temperature structural stability and high dropping point of the clay thickener.



IT-1090

### Dry Waxy Anti-Corrosion Coating Spray

A high performance waxy coating designed for protection of the finely machined metal surfaces such as tools, dies, moulds, including plastic injection moulds, spare parts, machines etc. against corrosion during storage and transport. This coating also protects under tropical climate and marine conditions.

IT-1091

### Wet, Thixotropic Thin film Anti-Corrosion Coating Spray

A wet, thin & thixotropic film coating designed for protection of the finely machined metal surfaces such as tools, dies, moulds, including plastic injection moulds, spare parts, machines etc. against corrosion during storage and transport. This coating also protects under tropical climate and marine conditions

IT-1094

### Multifunctional Fluid Spray

A multifunctional fluid spray designed as a maintenance aid. The product helps loosen rust, lubricates mildly, protects against rust and displaces moisture/water.

IT-1095

### Autoconer Spray

Designed as a non-staining cleaner/lubricant for modern textile machinery. It is used for various operations such as spinning, winding weaving and knitting etc. The product is designed using select combinations of cleansing, corrosion protection and lubricating materials. Protects scissors & cutters of splicers / knotters against rust & corrosion and reduces the wear & tear of moving parts.

IT-1096

### Cam Spray

Designed to provide long-term, smooth lubricating action under extremes of loads and temperatures - it also helps protect metal parts from rust and corrosion when subjected to humidity and corrosive atmosphere. The product is based on solid lubricant powders, synthetic oils and various additives for wear protection and efficient lubrication of slideways & cams.

IT-1097

### High Temperature Adhesive Chain Lubricant Spray

High temperature synthetic adhesive chain oil spray designed For lubrication of the chains and wire ropes exposed to high speeds, water/sea-water contamination. It gives excellent protection against corrosion & wear. Tack additives prevent the lubricant getting thrown off at high speeds. The lubricant is neutral to 'O' rings.



While other products in our line of maintenance aerosols can reduce hours of scrubbing, scouring and scratching to a quick push of a button and a wipe of the cloth. We even have product that can remove almost any type of gasket material even if it has been baked on for years.

If you have not tried maintenance aerosols, may we suggest you contact us. We will be pleased to show you which products are right for you and how you may realize a substantial savings in maintenance costs and man hours lost.

Our ongoing program of product development means we are constantly researching and adding new formulations to provide our customers with the products they need.



## Aerosols

IT-1098

### Motorcycle Chain Oil Spray

Based on synthetic oils containing oil soluble organo-moly compounds, the lubricant is designed to wet & penetrate parts deeply. It sets up an adhesive lubricating coating that does not fling-off at high speeds. The protective coating set up on the outer of the chains protects against the corrosion and weathering effects.

IT-1101

### Precision Cleaner Spray for Electronics

Precision cleaner solvent based on HFC fluid with zero ozone-depletion and a low global warming potential is designed for precision cleaning of the electronic components. It is ideally suited for cleaning fine particulate matter (submicron range) from metal and nonmetal parts. Typical applications include: as a cleaning and rinsing agent, as drying fluid, for particulate removal or as a dielectric fluid etc. It replaces for many HCFC, PFC, and CFC-113 applications.



IT-1102

### Cold Galvanizing Zinc Coating Spray

A zinc rich coating that performs like a hot dip galvanized coating to prevent rust and corrosion on all types of metals for up to two years. It works electro-chemically on all ferrous metals providing rust and corrosion protection indoors and outdoors. This can also be used as a primer over rusted metal to repair hot dip galvanizing. Specially formulated, it provides a tough flexible coating that will not crack or peel even in extreme heat or cold.

IT-1104

### Silicone-free Mold Release Spray

Release agent spray designed for quick, clean releases on thermosets as well as thermoplastics where post printing of the components is required. It allows easy removal of parts from molds and improves surface finish of molded part.

IT-1204

### Anti-Seize Compound Spray; Copper based

Used while assembling screw threaded connections which are exposed to high temperatures and corrosive influences. Prevents burning together or rusting on. Enables an optimum ratio of tightening torque to maximum achievable pretension.

IT-1200

### MoS<sub>2</sub> Assembly Paste Spray

Solid lubricant paste for assembly & press-in processes. As a run-in lubricant for highly loaded sliding surfaces. Prevents wear, stick-slip, seizing, or pitting.

When it comes to choosing the right lubricant, you can rely on us completely.

Our greases help protect your machinery and drive down your maintenance costs. And when your lubrication requirements can only be met by grease, you can trust us to give you the same benefits. CrossNet Products lubricants are designed for extreme operating environments where more conventional types of lubricants are limited in their ability to withstand extreme conditions and break down prematurely, resulting in frequent re-lubrication intervals and on many occasions, frequent component replacement.



## Greases

IT-3103

### Multi-purpose Li-Complex Grease

A high performance mineral oil based extreme pressure multi-use grease for lubrication of the ball and rolling bearings, machine components lubricated with central lubrication system, enclosed gearboxes etc. Using select additives which impart exceptional load carrying abilities, the grease is formulated to resist high & shock loads.

IT-3104

### White Lithium Grease-Paste with Teflon

Ideal for heavy-duty applications. Will not melt, freeze, wash off or break down under high speeds, extreme heat or heavy loads. Use on open lube points and high load applications including gears and shafts, heavy duty chains, cables, machinery, conveyors, lifting mechanisms, overhead garage doors, axles, bearings, pivots, linkages, cables, fan motors, slides, couplings, automotive hinges, brake parts, latches, springs, coils, pulleys, bolt threads, plumbing fixtures, etc

IT-3105

### Li-Complex Moly Grease

High quality multipurpose lithium soap EP grease containing MoS<sub>2</sub> and other highly efficient extreme pressure additives. The grease is designed for long-term lubrication & is well suited for plain and anti-friction bearings as well as other grease-lubricated machine elements. The additives used in the grease provides good corrosion protection and water wash out properties. Under load and when boundary lubricating conditions prevail, film containing MoS<sub>2</sub> are deposited from the grease to the sliding surfaces making available emergency lubrication. Antiwear additives prevent metal-to-metal contact at high loads reducing the coefficient of friction and minimizing wear.

IT-4107

### Silicon Valve & Packing Grease

Silicone valve & packing grease formulated with high quality silicone oils and thickeners. It is adherent and provides excellent sealing properties. The grease is designed for use in valves in hot and cold water lines, for valves in the chemical industry for lubrication of the pneumatic cylinders & as a lubricant for plastic and rubber components.

IT-4108

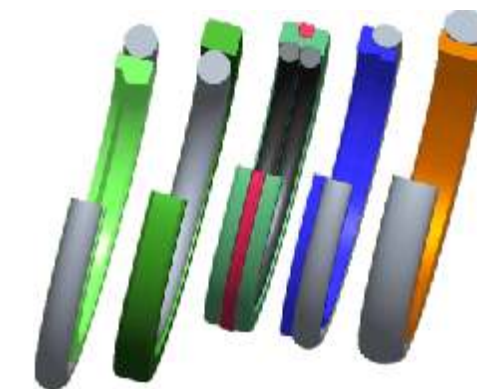
### High Vacuum Silicone Grease

Extremely adherent & resistant to chemicals, the lubricant is designed for vacuum applications & for lubrication of ground connections parts of industrial vacuum plants, laboratory equipments, shut-off valves and taps etc. The lubricant provides excellent sealing properties.

IT-4109

### Silicone 'O' Ring Grease

A premium quality lubricant to be used under a wide range of temperature conditions for 'O' rings. Other applications include its use on metal-to-metal or metal-to-plastic friction components exposed to high speeds and at low temperatures. The grease is designed for use for lubrication of the 'O' rings in the pneumatic cylinders, valves operating at very low temperatures, in roller and conveyer equipment, control cables, bowden cables, electric motors, photographic equipment, optical equipment, measurement equipment etc





This range is further supplemented with synthetics; synthetic gear & hydraulic fluids, high temperature chain lubricants, special purpose synthetic lubricants for the textile & steel industry and high performance vacuum pump fluids, which includes diffusion pump fluids.

Our cleaners and degreasers are highly effective and available in both aqueous and solvent-based formulations. When choosing a cleaner or degreaser, factors to consider are dry time, residue, odor, and substrate compatibility & safety. Our cleaners & degreasers are aggressive on wide range of soils & formulated to tackle a host of problems while being environmentally friendly.

On the offer are also water dilutable biodegradable cleaners and degreasers which are formulated to break down naturally into harmless products. Each product has low toxicity and is rust inhibited to protect ferrous metal.



## Oils

## Cleaners & Degreasers



IT-6068-6680

### Synthetic PAO based Gear Oils

PAO synthetic based fluids for enclosed gear systems requiring ashless antioxidants, antiwear and mild EP additive systems. These oils have been designed to provide satisfactory lubrication under hydrodynamic and mild boundary lubrication conditions. These are recommended for gear systems where moderate loads and high temperatures are expected including worm gears containing soft metals such as bronze, brass and copper.

IT-7400

### High Temperature Oil for Textile Stenters

Synthetic chain oil designed for textile stenter chains, paint booth conveyor chains, ceramic production, glass production, paper, or plywood production. Product features very low evaporation rate, excellent oxidation stability & no deposits. It exhibits outstanding film strength & non-drip characteristics.

IT-7401

### High speed Oil for Textile applications

Synthetic oil designed for high speed applications in the textile industry that features very low evaporation rate, excellent oxidation stability & no deposits.



IT-7402

### Silicone Oil

Polydimethylsiloxane based silicone fluids with average kinematic viscosities ranging from 50 to 10,000 cSt. These fluids exhibit excellent heat stability, oxidation resistance, very low vapor pressures and high flash point. Used as mechanical fluids, as release agents, as an insulator fluid or for dampening action in electrical/electronic components etc.

IT-7403

### Mineral Oil based Adhesive Chain Lubricant

Adhesive chain oil designed for lubrication of the chains and wire ropes. It gives excellent protection against corrosion & wear. Does not get thrown off at high speeds.

IT-7404

### Knitting Oil for Textile Machineries

The lubricant is formulated using high quality refined mineral oil which exhibits excellent stability & resists oxidation and break-down even when exposed to prolonged high temperatures. Incorporating effective anti-wear additives, the lubricant exhibits good anti-wear properties & protects needles, sinkers and cams against wear. It also protects against corrosion. The lubricant is self-emulsifiable in water and exhibits a very high level of scourability from the knitted fabrics



IT-7405

### High Vacuum Diffusion Pump Oil

A single component silicone diffusion pump fluid for high vacuum of upto  $10^{-8}$  torr. A low vapor pressure and thermal stability make it ideal vacuum oil for use in mass spectrometers or electron microscopes etc. It offers quick pump-down even after exposure to air under operating conditions.

IT-2589

### Cleaner & Degreaser

A precision cleaner for cleaning and degreasing of the metal surfaces. The product cleans quickly & effectively, guaranteeing absolutely clean surfaces. It is free from CFC & evaporates without leaving any residues.



IT-5001

### Precision Cleaner Solvent

A high-purity precision cleaning solvent as a best available replacement to CFC 11. Compared to CFC 11, IT-5001 is approximately ten times less harmful to stratospheric ozone and is therefore recognized as a viable solution allowing the rapid phase-out of CFCs. It is a "near drop-in" alternative but not a direct substitute as it is more polar molecule than CFC 11

IT-5002

### Solvent Based Cleaner for Electrical Motors

A high-purity non-chlorinated odorless solvent designed for cleaning of electrical equipment like motors. It is dielectric & provides a residue-free cleaning. IT-5002 is safe to use for all metals, plastics, varnishes, rubbers etc. Cleaning is done by dip tank, wipe-off or with forced air. The product features slow drying cleaning action which cuts into the grease & grime effectively. It is odorless.



IT-5003

### Water Based Cleaner Concentrate

A concentrated biodegradable, phosphate and caustic free cleaner concentrate formulated for heavy-duty industrial use. Superior wetting capabilities and free rinsing properties of the product combine to provide an exceptional cleaner for removing difficult soils and contaminants. The cleaner solution readily removes grease, oils, waxes and particulates from automotive, aircraft, and similar mechanical components. It removes oils and drawing compounds from stampings; cleans shop oils, greases and similar soils from components prior to secondary finishing operations including painting, plating, application of various electrostatic spray coatings etc.





Coatings are available for lubrication and corrosion protection.

Bonded lubricant coatings are solid lubricants (usually MoS<sub>2</sub>, graphite or PTFE) that are incorporated into an organic or inorganic binder. After thorough preparation of the surface, coating is carried out by means of immersion, spraying or painting.

Corrosion protection coatings include cold galvanizing products which are available in various formulations. Made with high quality ingredients, the salt spray ratings of 1000 hrs. are easily met.

We also have on offer an extensive range of rust converter polymer primer coatings. Please ask for additional information on these as well as the marine grades.



To meet the challenges of a wide range of gear applications, we have designed a portfolio of oils that enables you to choose a product to match your technical and operational needs

Our gear oils are developed in close co-operation with customers. Their performance has been demonstrated in real-life applications under extreme loads and temperatures, helping maintain or improve system efficiency. These minimize the effort needed to maintain today's costly equipment.

## Coatings

## Oils



### IT-2503 Zinc Coating

Performs like a hot dip galvanized coating to prevent rust and corrosion on all types of metals for up to two years. It works electro-chemically on all ferrous metals providing rust and corrosion protection indoors and outdoors. This can also be used as a primer over rusted metal to repair hot dip galvanizing. The coating provides a tough, flexible coating that will not crack or peel even in extreme heat or cold.

### IT-2504 Solid Lubricant Dry Bonded Coating

A dry lubricating bonded coating in the liquid version that is designed for lubrication of the sliding surfaces operating in dirty/dusty atmospheres. It is also used for the lubrication of coarse chains and guide ways operating under high loads and exposed to high temperatures. or as a lubricant for highly stressed joints with slow sliding speeds and/or oscillating movements.



### IT-2505 Zinc-Aluminium Coating

Zinc-Aluminium coating to prevent rust and corrosion on all types of metals. This can also be used as a primer over rusted metal to repair hot dip galvanizing. It provides a tough, flexible coating that will not crack or peel even in extreme heat or cold.

### IT-2508 Rust Converter Primer Polymer Coating

IT-2508 rust converter primer reverses the process of rusting. Its reactive VX-polymer converts rust into stable metal complex and attains a passive state without losing the strength of the metal. In essence it is an encapsulation process. It cures at low temperature and has very good wetting properties. The product is highly recommended intermediate coat in protective coating system. Can be top coated easily with a broad variety of high performance finish coats.

### IT-2585 Dry Lubricant Moly Bonded Coating

A dry lubricating bonded coating in the liquid version that is designed for lubrication of the sliding surfaces operating in dirty/dusty atmospheres. It is also used for the lubrication of coarse chains and guide ways operating under high loads and exposed to high temperatures or as a lubricant for highly stressed joints with slow sliding speeds and/or oscillating movements.

### IT-2586 Dry Lubricant Graphite Bonded Coating

Lubrication of heavily loaded chains when oil and grease lubrication is not preferred or no longer possible. The product can be sprayed onto hot surfaces. Dries at room temperature. Can be mixed with water in ratio of up to 1:5.



### IT-3100 Series PAO based Hydraulic Fluids

PAO based synthetic hydraulic fluids designed for use on hydraulic systems, pumps, motors, circulating systems etc where exposures to extreme temperatures exist. These are compounded with anti-rust, anti-wear, anti-oxidant additive systems & possess a natural resistance to carbon and varnish which minimizes deposits. These fluids are fortified with antifoam, antirust agents and have excellent oxidation resistance and are thermally stable.

### IT-3200 Series Synthetic Ester based Hydraulic Fluids

Based on synthetic esters, the fluids are designed for use on hydraulic systems, pumps, motors, circulating systems etc where exposures to extreme temperatures exist. Compounded with anti-rust, anti-wear and anti-oxidant additive systems, these also possess a natural resistance to carbon and varnish formations. The fluids help minimize deposits. These are also fortified with antifoam, antirust agents and have excellent oxidation resistance and thermal stability.

### IT-3407 Paraffinic Based Vacuum Pump Oil

Made with highly refined mineral oil, the oil is designed for rotary vacuum pumps. The oil combines excellent lubricity with strong resistance to oxidation & is suitable for use in mechanical pumps in corrosive environments. The oil has very low vapor pressure & exhibits excellent water separation properties.

### IT-3408 Refrigeration Compressor Oil

IT-3408 series refrigeration oils are heavy-duty refrigeration compressor oils made from select base stocks for minimum carbon deposits. These have special additives for resistance to ammonia and other refrigerants and contains exclusive wear-reducing additives. These oils are however, not recommended for use with HFC refrigerants. The oils have inherently excellent low temperature characteristics with a highly effective additive package, creating peak performance under the rigorous conditions encountered in refrigeration systems.

### IT-4068~4680 Mineral oil based Gear Oils

IT-4100~4680 series oils are extreme pressure industrial lubricating & gear oils containing EP additives. Fortified with antifoam, antirust and anti-oxidation agents, the oils have excellent oxidation resistance and thermal stability. These exhibit very good extreme-pressure and anti-wear properties.

### IT-5068~5220 Mineral oil based Hydraulic Fluids

Recommended for high-pressure, high-temperature hydraulic systems and for systems which operate in a high-moisture environment with wide variances in temperature. Some examples are mobile construction equipment, bucket-trucks, marine/offshore equipment and other equipment operating under low-temperature conditions. The oils feature completely ash-less, excellent shear stability and superior oxidation resistance. It minimizes rust and corrosion and offers maximum wear protection

