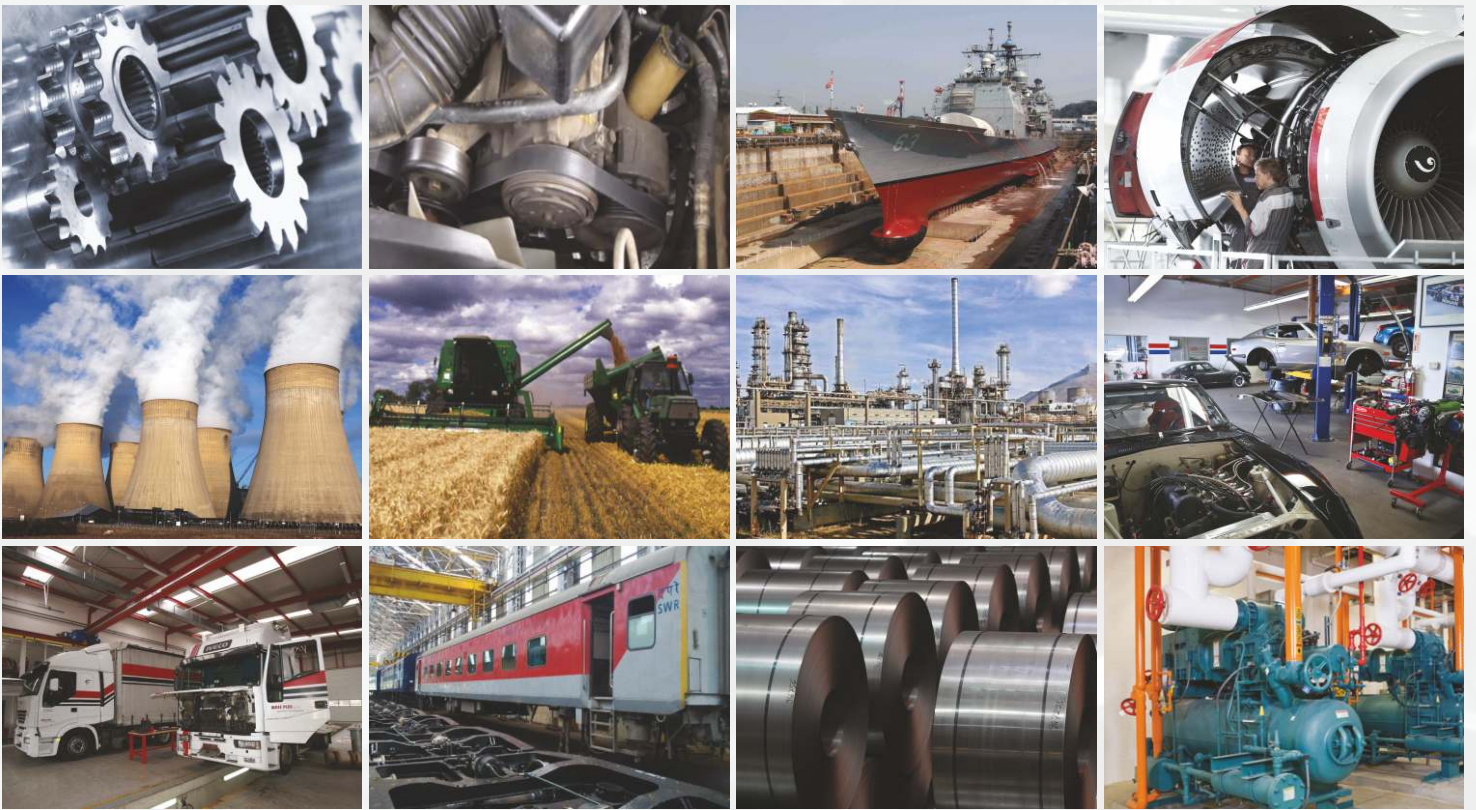


# MRO Catalogue



**Maintenance Repair and  
Overhaul Products**

Protochem Industries Private Limited was established in 1972 for the manufacture of metal treatment chemicals, supplying its products to the general, automotive, and defense industries.

Today, Protochem is a subsidiary of Chembond Chemicals Ltd. with products for heat treatment, maintenance repair & overhaul (MRO), defense production, and industrial enzymes. The wide acceptance garnered by Protochem's products in the market from its modern, IS 9001:2008 certified plant in the outskirts of Mumbai, speaks for its performance.

#### Maintenance, Repair, and Overhaul Products

Protochem's MRO products have been developed over the forty year history of the company. Based on the technological efforts of the company and the experience of supplying these and other products to the Indian industry, our customers can expect to use products that work in the most demanding of conditions while delivering significant cost savings in terms of reduced repair and higher productivity!

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## CLEANERS FOR MAINTENANCE

#	Product Name	Features	Applications	Pack Sizes
1	<b>Protochem BC 304</b>  Cleaner For Brakes & Clutch Parts	<ul style="list-style-type: none"> <li>• Quickly dissolves and flushes dust, rust, grease and oil</li> <li>• Eliminates squeaking &amp; clutch chatter</li> <li>• No chlorinated solvents</li> <li>• Leaves no residue</li> <li>• Fast drying and non-corrosive</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for removing grease and contaminants from brake parts, CV joints, wheel bearings, clutch assemblies</li> <li>• Can also be used to clean, degrease or flush away built up dirt, grease, and oil from workshop equipment, tools, other mechanical &amp; industrial machinery.</li> </ul>	Aerosol Spray • 400 ml
2	<b>Protochem CTS 306</b>  Citrus Cleaner	<ul style="list-style-type: none"> <li>• Effective cleaner and degreaser</li> <li>• Slow evaporation</li> <li>• Environment friendly</li> <li>• Non-corrosive</li> <li>• Pleasant citrus odour</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for the effective removal of grease, oil, sludge, adhesives and tar from parts and tools.</li> <li>• Suitable for cleaning of chains, wire rope, motors, dies, moulds, bearings, generators and compressors.</li> <li>• Compatible with metal, ceramic, glass.</li> </ul>	Aerosol Spray • 400 ml
3	<b>Protochem CC 305</b>  Chain Cleaner	<ul style="list-style-type: none"> <li>• Quickly dissolves / flushes dust, grease and oil contamination</li> <li>• Non-corrosive; Fast drying</li> <li>• 'O' ring compatible</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended to clean grease, oil, and other contaminants from all types of automotive and industrial drive chains, leaving no residue on the surface.</li> </ul>	Aerosol Spray • 400 ml
4	<b>Protochem ECC 302</b>  Electric Contact Cleaner - Offline	<ul style="list-style-type: none"> <li>• Active solvents</li> <li>• Fast and effective cleaning</li> <li>• Leaves no residue</li> <li>• Non corrosive</li> <li>• Deep penetrating formula</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for cleaning of electric motors, switches, generators, relays, rheostats and fuse holders.</li> <li>• Can be used for grease fittings, lathes, moulds, brake linings.</li> <li>• Suitable for use in every industry including power plants, cement plants, refineries, fertilizer plants, &amp; railways.</li> </ul>	Aerosol Spray • 400 ml
5	<b>Protochem ECC 310 NF</b>  Electric Contact Cleaner - Online	<ul style="list-style-type: none"> <li>• Non flammable</li> <li>• Fast evaporating</li> <li>• Fast and effective cleaning</li> <li>• Leaves no residue</li> <li>• Deep penetrating</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for cleaning of electric motors, switches, generators, relays, rheostats and fuse holders.</li> <li>• Can be used for mining equipment.</li> <li>• Suitable for use in power plants, railways, refineries, fertilizer plants, cement plants, etc.</li> </ul>	Aerosol Spray • 400 ml
6	<b>Protochem ECC 311</b>  Electric Contact Cleaner – Plastic Safe	<ul style="list-style-type: none"> <li>• Plastic Safe</li> <li>• Non flammable</li> <li>• Fast evaporating</li> <li>• Rapid and effective cleaning</li> <li>• Leaves no residue</li> <li>• Deep penetrating</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for cleaning of electric motors, switches, generators, relays, rheostats and fuse holders.</li> <li>• Can be used for mining equipment.</li> <li>• Suitable for use in power plants, railways, refineries, fertilizer plants, cement plants, etc.</li> </ul>	Aerosol Spray • 400 ml
7	<b>Protochem ELC 310</b>  Electronic Component Cleaner	<ul style="list-style-type: none"> <li>• Effectively removes dust, contaminants from electronic components</li> <li>• Fast drying</li> <li>• Plastic safe</li> <li>• Leaves no residue</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for use on relays, edge connectors, tape heads, buss bars, circuits, contacts, printed circuit boards, switches and breakers.</li> <li>• Ideal for applications where usage of lower flashpoint solvents is recommended.</li> </ul>	Aerosol Spray • 400 ml
8	<b>Protochem TC 10</b>  Aqueous Turbine Cleaner	<ul style="list-style-type: none"> <li>• Water based turbine cleaner</li> <li>• Effective at ambient temperatures</li> <li>• Flash Point &gt; 60°C</li> <li>• Phenol and sulphur free, ash-less</li> </ul>	<ul style="list-style-type: none"> <li>• Spray cleaner for turbines, engine &amp; compressor parts, fuel nozzles, starter.</li> <li>• Recommended for usage in power generation, gas transmission, fertiliser plants, oil exploration and aviation.</li> <li>• Reduces fuel consumption, increases engine life.</li> </ul>	HDPE Can • 5 Lit • 20 Lit

## CLEANERS FOR MAINTENANCE

#	Product Name	Features	Applications	Pack Sizes
9	<b>Protochem TC 20</b>  Aqueous Biodegradable Cleaner	<ul style="list-style-type: none"> <li>• Aqueous turbine cleaner with bio-degradable surfactants</li> <li>• Flash point &gt; 100°C</li> <li>• Online / Offline cleaner</li> <li>• Will not damage seals, rubber or plastic parts</li> </ul>	<ul style="list-style-type: none"> <li>• Online spray cleaner for turbines, engine &amp; compressor parts, fuel nozzles, starter.</li> <li>• Recommended for usage in power generation, gas transmission, fertiliser plants, oil exploration and aviation.</li> <li>• Reduces fuel consumption, increases engine life.</li> <li>• Superior corrosion protection.</li> </ul>	HDPE Can • 5 Lit • 20 Lit
10	<b>Protochem ALK-CL</b>  Aqueous Alkaline Cleaner	<ul style="list-style-type: none"> <li>• Universal cleaner</li> <li>• Provides temporary rust protection</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for cleaning of burnt oil, oil residues, soot from heating systems, and parts of vehicles, railways, &amp; DG sets, among others.</li> <li>• Works on ferrous, non-ferrous metals, plastics, glass, ceramics.</li> <li>• Works by brush, spray, or dip methods.</li> </ul>	HDPE Can • 5 Lit • 20 Lit
11	<b>Protochem FCA</b>  Alkaline Floor Cleaner	<ul style="list-style-type: none"> <li>• Heavy duty powder cleaner suitable for removing oil and dirt from shop floors</li> <li>• Designed for contaminated floors</li> </ul>	<ul style="list-style-type: none"> <li>• Very effective on concrete, tiles, ceramics, glass, metals.</li> <li>• Suitable for surface preparation prior to floor coating.</li> <li>• Recommended for removal of oil spillage on shop floors.</li> </ul>	HDPE Bag • 5 Kg • 25 Kg
12	<b>Protochem FCN</b>  Aqueous Floor Cleaner	<ul style="list-style-type: none"> <li>• Water based neutral floor cleaner</li> <li>• Free from inorganic alkaline salts</li> <li>• Designed to remove oil, grease and dust from floor surfaces</li> </ul>	<ul style="list-style-type: none"> <li>• Safe to use on concrete, tiles, vinyl, ceramics, rubber, glass, metals, painted surfaces, etc.</li> <li>• Suitable for preparation of concrete surfaces prior to floor coating.</li> <li>• Recommended for floor cleaning machines used in railways, airports, hospitals, industries and offices.</li> </ul>	HDPE Can • 5 Lit • 20 Lit
13	<b>Protochem EL</b>  General Purpose Emulsion Cleaner	<ul style="list-style-type: none"> <li>• Emulsifying solvent cleaner</li> <li>• Fast cleaning</li> <li>• Rust protection</li> <li>• Application by immersion, spray or wiping</li> </ul>	<ul style="list-style-type: none"> <li>• For the removal of carbon deposits, smut, burnt oil films, other contaminants from metal substrates</li> <li>• Use for engine components, ship deck cleaning, storage tank, vessel cleaning, etc.</li> </ul>	HDPE Can • 5 Lit • 20 Lit
14	<b>Protochem SC 303</b>  Solvent Degreaser	<ul style="list-style-type: none"> <li>• Odourless and non chlorinated</li> <li>• Instant cleaning</li> <li>• Slow drying</li> <li>• Eco friendly</li> <li>• Non toxic</li> </ul>	<ul style="list-style-type: none"> <li>• For cleaning of components where usage of water is restricted.</li> <li>• Designed to prevent risk of corrosion during pre-cleaning of precision machine parts.</li> <li>• Used for removal of grease, oil, adhesives, paint, inks, and wax.</li> </ul>	Aerosol Spray • 400 ml

## CARBON REMOVERS

15	<b>Protochem CR 360</b>  Carbon Remover - Cold Immersion	<ul style="list-style-type: none"> <li>• Non-flammable</li> <li>• Safe on most metals</li> <li>• Rapidly removes soil, carbon, paint films</li> <li>• Requires no heat; long lasting</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for removing carbon deposits from aircraft, rail and marine engines and parts.</li> <li>• Suitable for cleaning of diesel engines, turbines, radiator and oil coolers.</li> <li>• Meets DEF-STAN 80:20 specs.</li> <li>• Ready to use.</li> </ul>	HDPE Can • 200 Kg • 25 Kg
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#	Product Name	Features	Applications	Pack Sizes
16	<b>Protochem CR Aqua</b>  Carbon Remover-Aqueous	<ul style="list-style-type: none"> <li>No heavy fumes or bad odour</li> <li>Operating temp: 70°C - 90°C</li> </ul>	<ul style="list-style-type: none"> <li>Removes grease, oil, rust, carbon, &amp; paint.</li> <li>Recommended for engine and part maintenance of DG sets, commercial vehicles, buses, ships, etc.</li> </ul>	HDPE Can <ul style="list-style-type: none"> <li>200 Kg</li> <li>25 Kg</li> </ul>
17	<b>Protochem TBC 301</b>  Carburettor & Throttle Cleaner	<ul style="list-style-type: none"> <li>Quick drying</li> <li>Easy to apply</li> <li>No chlorinated solvents</li> </ul>	<ul style="list-style-type: none"> <li>Recommended to clean automobile components viz carburetors, throttle bodies, injectors, spark plugs, etc.</li> <li>Suitable for rapid removal of gum, lacquer, grease, oil and dirt.</li> </ul>	Aerosol Spray <ul style="list-style-type: none"> <li>400 ml</li> <li>100 ml</li> </ul>

## PAINT & GASKET REMOVERS

18	<b>Protochem 601 G</b>  Paint & Gasket Remover - Gel	<ul style="list-style-type: none"> <li>A cold paint stripper and gasket remover in gel form for removal of cured or uncured coatings</li> </ul>	<ul style="list-style-type: none"> <li>Removes paint, adhesives, gaskets from applied surfaces.</li> <li>Can be applied to vertical surfaces.</li> <li>Recommended for refineries, power plants, bridges, plant and machinery and also for repair shops.</li> </ul>	HDPE Can <ul style="list-style-type: none"> <li>500 Gms</li> </ul>
19	<b>Protochem 103</b>  Paint Remover / Stripper	<ul style="list-style-type: none"> <li>High strength, non-acidic paint remover</li> <li>Chlorinated solvent free; safe to handle</li> <li>Safe on metals, wood</li> </ul>	<ul style="list-style-type: none"> <li>Quick removal of layers of old paint, ink, glue, all types of paints and varnishes.</li> <li>Effectively removes high performance, architectural and industrial paints and coatings.</li> </ul>	HDPE Can <ul style="list-style-type: none"> <li>25 Kg</li> </ul>

## RUST LOOSENERS & PENETRANTS

20	<b>Protochem DW 10</b>  Penetrant & Rust Loosener	<ul style="list-style-type: none"> <li>Cleans, lubricates, protects, penetrates, and loosens rust</li> <li>Displaces water; prevents corrosion</li> <li>Restores electrical contacts</li> <li>Rubber, plastic safe</li> </ul>	<ul style="list-style-type: none"> <li>Lubricates moving parts.</li> <li>Frees jammed and corroded parts.</li> <li>Displaces moisture.</li> <li>Protects tools, equipment, nuts and bolts from rust and corrosion.</li> <li>Meets DEF STAN 68-10 Issue 5 standard.</li> <li>Conforms Joint Services Spec PX- 24.</li> </ul>	HDPE Can <ul style="list-style-type: none"> <li>210 Lit</li> <li>30 Lit</li> </ul> Aerosol <ul style="list-style-type: none"> <li>400 ml</li> <li>100 ml</li> <li>32 gms</li> </ul>
21	<b>Protochem Rustlub</b>	<ul style="list-style-type: none"> <li>Stops squeaks, penetrates, lubricates and displaces water</li> <li>Corrosion protection action on all metals</li> </ul>	<ul style="list-style-type: none"> <li>Recommended in engineering and maintenance shops, railways, vehicles, garages, shipyards, power plants, etc.</li> <li>For cleaning of bearings, parts, and mechanisms from oil, grease, and tar.</li> </ul>	Aerosol Spray <ul style="list-style-type: none"> <li>400 ml</li> </ul>

## NON DESTRUCTIVE TESTING

22	<b>Protochem C 101</b>  Dye Penetrant Cleaner	<ul style="list-style-type: none"> <li>Cleans surfaces &amp; dye penetrant</li> <li>Quick evaporating</li> <li>Leaves no residue</li> <li>Non-staining and non-corrosive</li> </ul>	<ul style="list-style-type: none"> <li>Fast drying solvent cleaner, degreaser and excess penetrant remover.</li> <li>Suitable for non destructive testing (NDT) in forging, tool design, die casting, automotive and equipment fabrication.</li> </ul>	Aerosol Spray <ul style="list-style-type: none"> <li>400 ml</li> </ul>
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#	Product Name	Features	Applications	Pack Sizes
23	<b>Protochem P 101</b>  Red Dye Penetrant	<ul style="list-style-type: none"> <li>• Blend of high quality bright dye &amp; solvent</li> <li>• Penetrates through all cracks, defects</li> <li>• Fast acting; Easily removable by cleaner</li> </ul>	<ul style="list-style-type: none"> <li>• Solvent based red-coloured penetrant.</li> <li>• Suitable for non destructive testing (NDT) in forging, tool design, die casting, automotive and equipment fabrication.</li> </ul>	Aerosol Spray • 400 ml
24	<b>Protochem D 101</b>  Dye Penetrant Developer	<ul style="list-style-type: none"> <li>• High contrast; High visibility</li> <li>• Quick drying</li> <li>• Does not run-off</li> <li>• Easily removable</li> <li>• Non corrosive</li> </ul>	<ul style="list-style-type: none"> <li>• A fast drying developer for the non-destructive testing of metal surfaces by liquid penetrant inspection.</li> <li>• Suitable for non destructive testing (NDT) in forging, tool design, die casting, automotive and equipment fabrication.</li> </ul>	Aerosol Spray • 400 ml
25	<b>Protochem AA 601</b>  Touch-up Paint	<ul style="list-style-type: none"> <li>• Fast drying</li> <li>• Superior finish</li> <li>• Custom shades and gloss available</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for use on any metallic, masonry, or wood substrate.</li> <li>• Ideal for touch up or painting of objects.</li> <li>• Suitable for application on control panels, electric motor, gear boxes, powder coated surfaces.</li> </ul>	Aerosol Spray • 400 ml
26	<b>Protochem ZN 602</b>  Cold Galvanizing Zinc Paint	<ul style="list-style-type: none"> <li>• Outstanding cathodic corrosion protection</li> <li>• Excellent resistance to weathering</li> <li>• Spot weld-able</li> </ul>	<ul style="list-style-type: none"> <li>• General purpose anti corrosive zinc spray in protective coating system in marine and corrosive environments.</li> <li>• Suitable for petrochemicals, bridges, dock installation, equipment, machinery, storage tanks, pipelines, etc.</li> </ul>	Metal Tins • 20 Lit • 4 Lit  Aerosol • 400 ml
27	<b>Protochem ZB 603</b>  Cold Galvanizing Zinc Bright Spray	<ul style="list-style-type: none"> <li>• Quick drying non drip formula</li> <li>• Bright metallic finish</li> <li>• Excellent adhesion; corrosion protection</li> <li>• Excellent coverage</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for coating finished surfaces or touch up scratches, welds, wear or machined edges on aluminium, or high shine metal substrates.</li> <li>• Provides appearance of a high shine, hot-dip galvanized, bright metallic finish.</li> </ul>	Metal Tins • 20 Lit • 4 Lit  Aerosol • 400 ml

## RUST CONVERTER

28	<b>Protochem RCA</b>  Acidic Rust Converter	<ul style="list-style-type: none"> <li>• Acidic rust converter</li> <li>• Converts rust into protective phosphate layer</li> <li>• Ready to use</li> <li>• No water rinse required post application</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for spares and accessories.</li> <li>• Suitable for equipment, pipelines, storage tanks, boilers, pumps, towers, threaded parts, valves, transformers, etc.</li> <li>• Suitable for hot rolled and ferrous structures / parts. Can be used without dismantling the structure.</li> </ul>	HDPE Can • 20 Lit • 5 Lit
29	<b>Protochem RCP</b>  Rust Converter Cum Primer	<ul style="list-style-type: none"> <li>• Converts rust into polymeric organic complex</li> <li>• Acts as a rust converter and primer</li> <li>• Protects surface for 2 weeks without painting; Prevents further rust creepage</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for a variety of environments including marine, utility, refinery, water treatment, chemical processing, pulp and paper, steel manufacturing and general maintenance and repair.</li> </ul>	HDPE Can • 20 Lit • 5 Lit

## LONG TERM RUST PROTECTION

#	Product Name	Features	Applications	Pack Sizes
30	<b>Protochem LTP 901</b>  Long Terms Rust Protective	<ul style="list-style-type: none"> <li>Indoor / outdoor rust protection during shipment or extended storage</li> <li>Protects from humidity &amp; marine atmospheres</li> <li>Soft oily film, easy to remove; Non staining; No chlorinated solvents</li> </ul>	<ul style="list-style-type: none"> <li>Recommended for use in construction equipment, industrial machinery, farm equipment, bridgework, steel structures, tanks and pipes.</li> <li>Suitable for transit protection of parts during ocean shipments.</li> </ul>	Aerosol Spray • 400 ml
31	<b>Protochem MP 906</b>  Mold Protectant	<ul style="list-style-type: none"> <li>Non-staining, crack resistant film</li> <li>Extended corrosion protection; Seals out moisture</li> <li>Fast drying; Easy to remove</li> </ul>	<ul style="list-style-type: none"> <li>Recommended to protect molds, dies, machined components, guide ways, measuring equipment's, bearings, etc. from rust and corrosion.</li> </ul>	Aerosol Spray • 550 ml

## MOLD RELEASE COMPOUNDS

32	<b>Protochem MR 202</b>  Silicone Mold Release	<ul style="list-style-type: none"> <li>Crystal clear; Non staining; Non toxic</li> <li>Reduces build-up on molds</li> <li>Imparts a light silicone film</li> </ul>	<ul style="list-style-type: none"> <li>Recommended mold release agent in injection and compression molding.</li> <li>Suitable for ABS, acrylic, epoxy resins, HDPE, polypropylene.</li> <li>It can also be used in blow molding and extruding equipment.</li> </ul>	Aerosol Spray • 400 ml • 550 ml
33	<b>Protochem NS 204</b>  Non Silicone based Mold Release	<ul style="list-style-type: none"> <li>Silicone free</li> <li>Crystal clear; Non staining; Non toxic</li> <li>Reduces build-up on molds</li> </ul>	<ul style="list-style-type: none"> <li>Recommended for most applications where post-mold parts will be treated.</li> <li>Suitable for post molding applications such as painting, stenciling, bonding, heat sealing, laminating, hot-stamped or metalized, ultrasonic welding.</li> <li>Excellent release to all thermoplastics.</li> </ul>	Aerosol Spray • 550 ml

## ANTI WELD SPATTER COMPOUNDS

34	<b>Protochem WK 501</b>  Non Silicon Anti Weld Spatter	<ul style="list-style-type: none"> <li>Silicone free</li> <li>Non-flammable</li> <li>Easy to clean</li> <li>Temp resistant &amp; transparent film</li> </ul>	<ul style="list-style-type: none"> <li>Recommended for MIG and TIG welding applications.</li> <li>Welding and torch cutting devices where weld spatter is a problem, like MIG nozzles and tips, electrode holders, fixtures, welding tips, etc.</li> </ul>	Aerosol Spray • 400 ml
35	<b>Protochem WK BN 501</b>  Anti-weld Spatter – Ceramic Based	<ul style="list-style-type: none"> <li>Strong ceramic film</li> <li>Prevents adherence / reaction / galling</li> <li>Quick drying and easy to apply</li> <li>High temperature stability</li> <li>Low dielectric constant</li> </ul>	<ul style="list-style-type: none"> <li>Creates thin, adherent layer of ceramic coating, stable at high temperature.</li> <li>Recommended to use on various welding and torch cutting devices where weld spatter is a problem.</li> <li>Suitable for MIG nozzles and tips, electrode holders, fixtures, resistant welding tips, and all types of maintenance / production welding.</li> </ul>	Aerosol Spray • 400 ml

## CHAIN LUBRICANTS

36	<b>Protochem CL 402</b>  Chain Lubricant	<ul style="list-style-type: none"> <li>Reduces friction</li> <li>Excellent anti-wear and penetration properties</li> <li>Provides excellent corrosion protection</li> <li>Does not drip</li> </ul>	<ul style="list-style-type: none"> <li>For Long lasting lubrication of two and four wheeler automobile chains and industrial equipment.</li> <li>Wire rope of all kinds, toothed wheels, worm gears, fast moving engine parts, joints and clutches, rollers, ball bearings, spring assemblies, drive chains, mechanical hoist chains, etc.</li> </ul>	Aerosol Spray • 400 ml • 100 ml
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#	Product Name	Features	Applications	Pack Sizes
37	<b>Protochem ECL 170</b>  High Temperature Chain Lubricant	<ul style="list-style-type: none"> <li>• Synthetic high performance lubricant</li> <li>• High operating temperature up to 250 °C</li> <li>• Low volatility &amp; smoke</li> <li>• Excellent anti wear performance</li> <li>• Non corrosive</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended to use on hot conveyer chains in drying ovens and tender frames used in applications such as fibre glass insulation manufacture, particle board, plastics, textiles industries and paint oven operations.</li> <li>• Specifically designed for critical applications such as high temperature industrial chain drives, where a mineral based lubricant does not perform satisfactorily.</li> </ul>	HDPE Can • 5 Kg
38	<b>Protochem CW 110</b>  Chain Protection	<ul style="list-style-type: none"> <li>• Greasy film to protect metal parts against corrosion</li> <li>• Safe on any metal or alloy; Non-toxic eco-friendly product</li> </ul>	<ul style="list-style-type: none"> <li>• Applied by hot dipping.</li> <li>• Used for protecting piston assemblies, anti-friction bearings, chains and other small parts.</li> </ul>	Drum • 180 kg

## BELT GRIP COMPOUND

39	<b>Protochem BG 401</b>  Belt Grip	<ul style="list-style-type: none"> <li>• Prevents rubber metal slippage</li> <li>• Adheres strongly on belt surface</li> <li>• Improves traction by providing additional pulling power</li> <li>• Increases transmission efficiency</li> </ul>	<ul style="list-style-type: none"> <li>• Ideal for flat, round, or V-belts used in compressors, pumps, motors, generators, automobiles, fork lifts</li> <li>• Can be used on leather, rubber, canvas or fabric belts.</li> </ul>	Aerosol Spray • 400 ml
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## FIRE RESISTANT HYDRAULIC FLUID

40	<b>Protochem FRHF 45</b>  Fire Resistant Hydraulic Fluid	<ul style="list-style-type: none"> <li>• Low freezing point</li> <li>• Non corrosive on mild steel, cast iron, copper, brass, etc.</li> <li>• Safe on variety of rubber seals</li> <li>• Long service and storage life</li> </ul>	<p>Recommended in hydraulic systems operating under following conditions:</p> <ul style="list-style-type: none"> <li>• Pressure &lt; 100 bar</li> <li>• Temperature from - 35°C to 70°C.</li> <li>• Suitable in steel mills' hydraulic equipment slag granulators, continuous castings equipment, down coilers in the hot strip mills, aluminium foundries, etc.</li> <li>• Furnace &amp; oven doors, hot presses, metal die casting equipment, hydraulic stretchers, injection molding equipment.</li> <li>• Mobile equipment operating in fire risk areas.</li> </ul>	HDPE Drum • 210 Lit • 20 Lit
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## PLASTIC AND RUBBER CARE PRODUCT

41	<b>Protochem PRC 201</b>  Plastic & Rubber Shine	<ul style="list-style-type: none"> <li>• High Gloss, crystal clear; Non staining</li> <li>• UV protection</li> <li>• Quick Drying</li> <li>• Refreshes and preserves plastic and rubber</li> </ul>	<ul style="list-style-type: none"> <li>• Easy-to-use, spray-on coating that instantly shines and brightens dull or faded plastic, vinyl, rubber, and other surfaces.</li> <li>• Restores colour and brilliance to bumpers, running boards, door trim, convertible tops, dashboards, seating, AC vents, hoses, door gaskets, etc.</li> </ul>	Aerosol Spray • 400 ml
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## ANTI-SEIZE COMPOUNDS

#	Product Name	Features	Applications	Pack Sizes
42	<b>Protochem ASG</b> Anti Seize- Graphite	<ul style="list-style-type: none"> <li>• Designed for heavily loaded threaded assemblies</li> <li>• Works where other mixtures fail</li> <li>• Protects against seizing and galling</li> <li>• Excellent on stainless steel</li> <li>• Long-term protection against rust and corrosion</li> <li>• Reduces friction on all metal surfaces</li> <li>• Protects load bearing surfaces</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for breaking in new or rebuilt assemblies.</li> <li>• Press fitting, fretting, threaded connections.</li> <li>• Heavy loads and low speeds, metal working, and extreme environments.</li> </ul>	Plastic Tub • 5 kg • 1 kg
43	<b>Protochem ASM</b> Anti Seize - Moly Sulphide	<ul style="list-style-type: none"> <li>• Water repellent</li> <li>• Does not attack or swell plastics, rubber</li> <li>• Can be used under humid conditions</li> <li>• Lubricates metal / plastic, metal / rubber and plastic</li> </ul>	<ul style="list-style-type: none"> <li>• Used as dielectric strength sealing compound for spark plugs, X-ray equipment, switches, terminals, ignition systems of marine engines, battery terminals and cables.</li> <li>• The main uses are water and damp-proofing, retarding shocks, parting agent, rubber, and leather.</li> </ul>	Plastic Tub • 5 kg • 1 kg
44	<b>Protochem Lube 1000</b> Universal Anti Seize Paste	<ul style="list-style-type: none"> <li>• Excellent static operating temp resistance</li> <li>• Easy maintenance, no production loss</li> <li>• No damage to gaskets, flanges, seals</li> <li>• Easy re-opening</li> <li>• Prevents fretting corrosion; protects joints from seizure and cold welding</li> <li>• Tenacious adherant film</li> </ul>	<ul style="list-style-type: none"> <li>• Any thread or joint where seizure is to be prevented - thread connections, pipe sealer, gasket and "O" rings, seals, press fit, flanges fittings, etc.</li> </ul>	Plastic Tub • 5 kg • 1 kg

## HIGH TEMPERATURE GREASES

45	<b>Protochem Lube 33, 41, 44</b> Silicone Greases	<ul style="list-style-type: none"> <li>• Fortified with anti-oxidants, corrosion inhibitors and EP agents</li> <li>• 5 - 10 X longer vs. petroleum greases</li> <li>• Resistant to oxidation, corrosion, moisture and water</li> <li>• Available in light, medium and heavy consistency and with moly disulphide</li> </ul>	<ul style="list-style-type: none"> <li>• Ball and roller bearings operating under light to moderate loads.</li> <li>• Freezing temperatures as in ice cream and dairy conveyors in cold conditions.</li> <li>• Oven conveyor bearings.</li> <li>• Instruments, electric motors, wipers, meters, etc. for lifelong lubrication.</li> </ul>	Plastic Tub • 5 kg • 1 kg
46	<b>Protochem Lube M7P</b> Silicone Oil Base Anti Seize Thread	<ul style="list-style-type: none"> <li>• Resistant to water washout, oxidation</li> <li>• Reduces fretting corrosion, prevents seizing and stick slip</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended in high temperature areas for nuts, bolts, studs, etc.</li> <li>• To reduce friction in gears, splines, cams and bearing.</li> <li>• Used for mold release agent in casting and as "O" ring lubricant.</li> </ul>	Plastic Tub • 5 kg • 1 kg

#	Product Name	Features	Applications	Pack Sizes
47	<b>Protochem Lube NBU 15</b>  Long Life Synthetic Grease	<ul style="list-style-type: none"> <li>• Synthetic base grease fortified with antioxidants and corrosion inhibitors for longer life</li> <li>• Does not oxidize, form sticky residue or leave carbon residue</li> <li>• Adheres strongly to rotating surfaces and forms a tenacious film that does not rupture at high speed</li> <li>• Due to its high lubricity and good film strength, it requires low starting torque</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended to be used where moderate or heavy loads are involved in textile mill tool rooms, on spindles of cutting, grinding, milling, machines.</li> <li>• In electronic industries on small motors and other fine mechanism.</li> <li>• Use of this product prolongs the service life.</li> </ul>	Plastic Tub • 5 kg • 1 kg
48	<b>Protochem Lube RB</b>  Long Life Bearing Grease	<ul style="list-style-type: none"> <li>• Multipurpose lithium based grease</li> <li>• Superior lubrication properties than other greases</li> <li>• Superior water resistance, corrosion prevention and extreme pressure lubrication features</li> <li>• Lasts three to five times longer</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for used in ball and roller bearings, chassis lubrication, automobile bearings, pumps, electric motors running at high load, instruments, machine tools, etc.</li> </ul>	Plastic Tub • 5 kg • 1 kg
49	<b>Protochem Lube RB2+</b>  Soap Grease	<ul style="list-style-type: none"> <li>• Complex-soap base grease</li> <li>• Better lubrication</li> <li>• Lasts three to five times longer</li> <li>• Works at higher temperature due to higher drop point</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended for ball and roller bearings, fan bearings, bearings of pumps, electric motors, automobiles, machine tools, lathe-chucks steering and suspension joints, earthmoving and other heavy machinery.</li> <li>• Splined shafts and lead screws.</li> <li>• Plain bearings and guides.</li> </ul>	Plastic Tub • 5 kg • 1 kg
50	<b>Protochem Lube 555G</b>	<ul style="list-style-type: none"> <li>• Fully synthetic base grease with solid lubricant</li> <li>• Lubricates and leaves a film, which can lubricate for high temperature</li> </ul>	<ul style="list-style-type: none"> <li>• Lubrication for all type of bearings in kiln car, bakery, ceramics, casting, etc.</li> </ul>	Plastic Tub • 5 kg • 1 kg
51	<b>Protochem Lube FB 300</b>  Synthetic Oil Base Non-melt Grease	<ul style="list-style-type: none"> <li>• Synthetic oil base non-melt grease</li> <li>• Long lasting</li> <li>• No gummy or carbon residues</li> <li>• Optimum performance at high temperatures</li> </ul>	<ul style="list-style-type: none"> <li>• Used in industries like fertilizers and chemicals, steel, sugar, paper, textiles, bakery and oven, ceramics where bearings are operated near hot zone in any type of machines.</li> </ul>	Plastic Tub • 5 kg • 1 kg
52	<b>Protochem Lube Hivac</b>  Heavy Consistency Silicone Compound	<ul style="list-style-type: none"> <li>• High viscosity heavy-duty silicone compound</li> <li>• Adjustable to temperatures</li> <li>• Water repellent</li> <li>• Does not attack or swell plastics, rubbers, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Used in automotive, oil &amp; gas, molding, chemical, engineering, electrical and electronic, petrochemical, synthetic fibers and other industries, foundries, labs, appliances, and power plants.</li> <li>• Can be used under humid conditions.</li> <li>• Excellent dielectric properties, low power loss factor.</li> </ul>	Plastic Tub • 5 kg • 1 kg

\* Different pack sizes can be made available on request.

## Adhesive & Sealants Product Line Card

We provide locking, sealing, lubrication, and adhesion products for industrial assemblies



**Anaerobic Threadlockers** - Lock and seal threaded fasteners.  
**Types:** Low Strength, Medium Strength, Oil Tolerant, High Strength, Permanent Strength  
**Sizes:** 50 mL Bottle, 250 mL Bottle, 1 L Jug



**VC-3 Threadmate** - Non-traditional threadlocker. Adjustable; Removable; Reusable. Prevents loosening of fasteners from shock and vibration.  
**Size:** 30 mL Bottle with Brush Cap Applicator



**Thread Sealants** - Seal and secure metal pipes and fittings.  
**Types:** Hydraulic, Pneumatic, Refrigerant, General Purpose, Controlled & High Strength  
**Sizes:** 50 mL Tube, 250 mL Tube, 50 mL Bottle, 250 mL Bottle, 1 L Jug



**Retaining Compounds** - Increase shear strength on non-threaded, cylindrical metal assemblies.  
**Types:** General Purpose, High Strength, Impact Resistant, Rapid Curing, Core Plug Sealant, High Temp.  
**Sizes:** 10 mL Bottle, 50 mL Bottle, 250 mL Bottle, 1 L Jug



**Anaerobic Gasketing** - Remains in liquid state when exposed to air. Cures when confined between mating flanges.  
**Types:** Gear Boxes, Oil Sump, Pumps, Compressors, Transmission Housings, Axle Covers  
**Sizes:** 50 mL Tube, 250 mL Tube



**RTV Grey Silicone** - one-part neutral cure silicone sealant.  
**Types:** Long-lasting flexible seal with excellent adhesion to most surfaces, intended for a variety of general purpose and industrial applications.  
**Size:** 300 ml Cartridge



**Cyanoacrylates (Super Glues)** - Single-part, quick-fixturing, clear adhesives.  
**Types:** Multi-Purpose, Wicking Grade, Metal Bonder, Plastic Bonder, Shock Resistant, Rubber Toughened  
**Size:** 20 gm Bottle, 28.3 gm (1 oz) Bottle



**Epoxy Adhesives** - one & two component, very strong bond between substrates. Metal to Magnet Bonding, Metal to Metal Bonding, Magneto Rotor Assembly, Electric Motor Assembly.  
**Size:** 5 kg Metal tin



**General Purpose Epoxy Putty** - Two component room temperature setting, easy to mix putty. Sealing blowholes, cracks, and leakage in ferrous and non-ferrous casting, pumps and mould boxes etc.  
**Size:** 1 kg Pack



**Polyurethane Sealant** - one-component, high-modulus PU sealant. High strength, flexible bonding and sealing of metal panels, sandwich panels and glass / windshields for Buses, Trucks, Insulated Vans, etc.  
**Sizes:** 600 ml Sausage, 310 ml Cartridge

# PROTOCHEM

Quality, Consistency, Reliability



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