INDUSTRIAL LUBRICANTS AND MRO PRODUCTS

EMEA PRODUCT CATALOGUE





Targeted Reliability Solutions that Reduce Operating Costs and Optimize Performance

In most process industries, the need for consistent, high-quality, reliable plant maintenance solutions—specifically in aggressive environments—is frequently undervalued until it is too late, resulting in expensive equipment repair and replacement, safety issues, and unbudgeted labor costs. To keep companies ahead of maintenance crises, Chesterton® has a broad range of products and comprehensive lubrication programs focused on friction detection, corrosion prevention, and equipment life extension. From high-performance industrial lubricants that clean debris as they protect equipment to efficient cleaners that reduce maintenance time, Chesterton offers a full range of products to:

- Reduce Premature Failure
- Improve Reliability

- Optimize Performance
- Extend Equipment Life



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Industrial Lubricants and MRO Products Application Guide

Please contact your local Chesterton Representative to help you select the best product for your application.

Lubricants													
LIQUID LUBRICANTS		Chains	Bearings	Open Gears	Pneumatics	Wire Rope and Cable	Control Valves		High Temp.	Low Temp.	Load Carrying Ability	Water Resistance	Food Acceptance NSF® Category
601(E)		√ ++			√ +	√ ++		j g	√ +	√ +	√ ++		H2
610 +/610 MT +/610 HT	ns	√ ++	✓			√ +		Performance	√ ++				H2
607(E)	Applications	√ ++	1			√ +		ē	√ ++				
690 FG(E)	l ii	√ ++			1					1	√ +	1	H1
715/715G(E)	Apl	√ +		√ ++		√ ++		ايِّ ا				√ ++	H2
652(E)]	√ +			√ ++	√ +	1	Relative	√ +	√ +	√ ++		H2
GREASES]							_					
615		✓	√ +	1		1	√ +		✓	√ +	√ +	√ ++	H2
635			√ ++				√ ++		√ +	√ +	√ ++	√ ++	H2
625			√ +				√ +		✓	1	√ +	√ ++	H1
630		√ +	√ ++	1			√ ++		√ +	√ +	√ +	√ ++	H1

H1—Product may be used in areas where there is incidental exposure of the lubricated part to edible product. H2—Used on equipment where there is no chance of the lubricant or lubricated part contacting edible products

				Water-Based Alkali Cleans Petroleum Oil, Greases, Natural Oils, Dirt, and Dust, Biodegradable							Solvent- Based	
Clea	ners a	nd Degreasers	360(E) Phosphate- Free Cleaner	235(E) SSC	801(E) Industrial and Marine Solvent	803(E) IMS II	820(E) KPC	218(E) HDP Pressure Wash	338(E) Super Rust Remover	346(E) Descaler and Chemical Cleaner	274(E) Industrial Degreaser	276(E) Electronic Component Cleaner
		Heavy Oil, Adhesives, Glues		1				1			✓	
	isoo	Grease, Petroleum Oil, Dirt	1	√ +	√ ++	√ ++	√ ++	√ +			√ +	√ +
	Dep	Natural Oils—Animal Fat, Vegetable Oil	✓	1	√ +	√ +	1	1				√ +
	Grease, Petroleum Oil, Dirt Natural Oils—Animal Fat, Vegetable Oil Scale, Hard Water Deposits								1	√ ++		
	01	Rust and Oxidation							√ ++	✓		
		Manual Brush or Wipe	√ +	√ +	√ ++	√ ++	√ ++	1			√ +	
	Parts Degreasing Shop	Parts Degreasing Station	1		√ +	√ +	√ +				√++	
	Parts greasi Shop	Dip Tank	1	1	√++	√ ++	√ +				√++	
	Deg	Steam Cleaning		√ ++	√ +	√ +	1	√ +				
		Pre-Cleaning Parts/Machinery	√ +	√ +	√ ++	√ ++	√ +	√ +				
		Agitated Tank					1	√ ++			√ +	
	sing	Dip Tank	√ +	√ +	√ ++	√ ++	√ +	1			✓	
ţi l	Parts Degreasing Production	Pressure Washing		√ +				√ ++				
<u> </u>	Deg Pro	Ultrasonic					√ ++				√ +	
Application		Spray Booth/Spray Tunnel						√ ++				
		Closed Circulation, Pipe Line	✓	1	√ +	√ +	√ +	√ +				
	ţ	Tanks and Vessels	√ +	√ +	√ ++	√ ++	√ +	1				
	/Pla	Food Processing Equipment	√ ++	1	√ +	√ +	√ +	1			✓	
) er,	Building Structures, Floors, and Walls	√ +	√ ++	√ ++	√ ++	√ ++	1				
	Machinery/Plant Cleaning	Floor Scrubbers	✓	1	1	1	√ ++	√ ++				
	Ma	Coolers, Condensers, Heat Exchangers							√ ++	√ ++		
		Electrical Motors—Non-energized		√ ++	√ ++	√ ++	√ +	1				√ +





GREASES

615

HTG NLGI #1, HTG NLGI #2

High performance, corrosion-inhibited grease with outstanding extreme pressure capabilities and excellent water washout resistance. Temperature limit -40° C (-40° F) -204° C (400° F).

Product Characteristics

- Superior water resistance
- Excellent corrosion protection
- · Compatible with most popular greases
- Exceptional shear resistance
- · Antioxidants prevent hardening
- QBT™ Quiet Bearing Technology
- NSF Registered
- 615 HTG NLGI #2 ISO 460 grade available also Available Container Sizes: 400 g, 18 kg,

55 kg, 180 kg

Applications

High water, temperature environment plants including:

- Pulp and paper mills
- Mining operations
- · Steel, aluminium, and metal processing
- Marine
- Power
- Water and wastewater



- Extends bearing life
- Reduces downtimes
- Increases productivity
- Reduces grease consumption

622

White Grease

Superior quality, multi-purpose, PTFE fortified mineral oil grease designed for applications where clean, nonstaining food grade lubricant is required.

Product Characteristics

- Resistant to water, steam, caustics and cleaning agents
- Virtually colorless, odorless, tasteless
- Complies with sections 178.3570 and 177.1550, of FDA food additives regulations
- NSF registered H1

Available Container Sizes: 400 g, 18 kg, 55 kg

Applications

- Bottling equipment
- Canning machinery
- Meat packing equipment
- Carton filling equipment
- Valves
- Conveyor belts
- Rollers



- Extends bearing life
- Reduces downtimes
- Increases productivity
- Reduces grease consumption

625 CXF, 630 SXCF

High performance, food-grade, corrosion-inhibited grease with outstanding extreme pressure capabilities and excellent water washout resistance.

625 CXF—Temperature limit -30°C − 204°C (-22°F − 400°F). 630 SXCF—Temperature limit -40°C − 240°C (-40°F − 464°F).

Product Characteristics

- Superior water washout resistance
- Excellent corrosion protection
- Compatible with most popular greases
- Exceptional shear resistance
- Antioxidants prevent hardening or crystallization

Available Container Sizes: Aerosol (630 SXCF only), 400 g, 18 kg, 55 kg, 180 kg

- Food, pharmaceutical, beverage industries
- Processing and packaging machines
- Bottling equipment
- Fruit feeders
- Paste and sauce fillers
- Canning machinery
- · Meat packaging equipment
- Carton filling equipment



- Extends bearing life
- Reduces downtimes
- Increases productivity
- Reduces grease consumption



GREASES

629

High Temperature White Grease

High temperature, premium quality, pure mineral oil and PTFE fortified grease. Offers excellent resistance to water, steam, caustics, and other cleaning agents.

Product Characteristics

- Excellent water washout
- · Virtually colorless, odorless, tasteless
- Complies with sections 178.3570 and 177.1550, of FDA food additives regulations
- NSF registered H1

Available Container Sizes: 400 g, 18 kg, 55 kg

Applications

- Processing and packaging machinery
- Slides
- Grease lubricated chains
- · Bottle and carton filling machines
- Paste and sauce fillers
- Conveyor belts
- Rollers
- Canning machinery



- Extends bearing life
- Reduces downtimes
- Increases productivity
- Reduces grease consumption

633

SXCM

Synthetic, extreme pressure and corrosion resistant grease with MoS_2 . Superior high and low temperature stability and resistance to steam and corrosive chemicals.

Product Characteristics

- Speed Factor Dm 40°C 100°C (104°F 212°F) 200,000-800,000
- Superior in cold weather to -50°C (-58°F)
- Excellent corrosion protection
- Compatible with most popular greases
- Exceptional shear wear
- Anti-oxidants inhibit hardening or crystallization
- QBT™ Quiet Bearing Technology
 Outstanding extreme pressure and anti-wear capabilities
- Great for high speed applications

Available Container Sizes: 400 g, 18 kg, 55 kg

Applications

- Pulp and Paper mills
- Mining operations
- Steel mills
- · Heavy off road machines
- Conveyor
- Grinding mills
- CrushersBearings
- Pumps
- Pumps
- Electric motors



- Extends bearing life
- Reduces downtimes
- Increases productivity
- Reduces grease consumption

635

SXC

High performance, corrosion-inhibited grease with outstanding extreme pressure capabilities and excellent water washout resistance; 635 is synthetic-based and offers superior high-temperature stability and resistance to steam and corrosive chemicals. Temperature limit $-40^{\circ}\text{C} - 240^{\circ}\text{C}$ ($-40^{\circ}\text{F} - 464^{\circ}\text{F}$).

Product Characteristics

- High load carrying capability
- High-temperature stability
- Superior water washout resistance
- Excellent corrosion protection

Available Container Sizes: 400 g, 18 kg, 55 kg, 180 kg

Applications

High water, temperature environment plants including:

- Pulp and paper mills
- Mining operations
- Steel, aluminium, and metal processing
- Marine
- Power
- Water and wastewater



- Extends bearing life
- Reduces downtimes
- Increases productivity
- Reduces grease consumption



OILS

601(E)

Chain Drive Pin and Bushing Lubricant—General Service

Premium-quality, light oil that penetrates between the close clearance of chain drive bushings and pins to provide critical lubrication.

Product Characteristics

- Rapid penetration
- E.P. additives increase load carrying ability
- No dirt and dust build-up
- No sticky lubricant residues
- Long-lasting, non-drying film
- -23°C 150°C (-10°F 300°F)

Available Container Sizes: Aerosol, 5 I, 20 I, 208 I Product Availability: 5 I Europe warehouse only (3,8 I is the equivalent size from USA)

Applications

- Chain-driven machinery
- Conveyors
- · Packaging equipment
- Hoist chains
- Forklift trucks
- Chain saws



- Increases chain life
- Reduces lubricant consumption
- Reduces energy consumption

607(E) HTS

Lubricating Fluid - High Temperature Synthetic

High quality synthetic lubricant designed to improve performance and increase the productivity of your equipment by reducing wear, varnish, and corrosion. It operates at a temperatures range where petroleum lubricants are unable to function. Temperature range -30° C to 250° C (-22° F to 482° F).

Product Characteristics

Low evaporation Low-carbonizing

High-detergency—self-cleaning E.P. additives increase load carrying ability Available Container Sizes: 20 I, 208 I

Available in two ISO VG Grades: 68 and 220 Product Availability: Europe warehouse only

Applications

Equipment operating at elevated temperatures Refrigerated areas

Severe environments

Oven and high-temperature chains

Bearings

Gearboxes

NEW PRODUC

- Reduces lubricant consumption
- Reduced equipment cleaning and downtime
- Reduces energy consumption
- Increases equipment life

610 Plus/610 MT Plus/ 610 HT

Synthetic Lubricating Fluid—High-Temperature Service

Premium-quality, 100% synthetic fluid that cleans as it lubricates over a wide temperature range of -25°C – 270°C (-13°F – 518°F).

Product Characteristics

- Low evaporation
- Low-carbonizing
- High-detergency—self-cleaning
- E.P. additives increase load carrying ability

Available Container Sizes:

610 Plus: Aerosol, 5 l, 20 l, 208 l 610 MT Plus: 20 l, 208 l

610 HT: 5 I, 20 I, 208 I

Product Availability: 5 | Europe warehouse only (3,8 | is the equivalent size from USA)

Primary Viscosities - ISO VG 68 - 610 Plus, ISO VG 220 - 610 MT Plus, ISO VG 460+ - 610 HT

Applications

- Equipment operating at elevated temperatures
- Refrigerated areas
- Severe environments
- Oven and high-temperature chains
- Bearings
- Gearboxes



 Reduces lubricant consumption

- Reduced equipment cleaning and downtime
- Reduces energy consumption
- Increases equipment life



OILS

651(E)

Detergent Lubricating Oil

High quality, all purpose, light duty lubricant with active detergent additives to clean, penetrate, lubricate, and prolong the life of all types of parts and equipment.

Product Characteristics

- · Cleans as it lubricates
- Will not build-up residues
- Penetrates close tolerances
- Ideal for high speed industrial bearings
- Reduces maintenance and replacement parts cost
- Displaces water
- Reduces friction
- NSF registered H2

Available Container Sizes: Aerosol, 20 I, 208 I

Applications

- Electric motors
- Solenoids
- Machine shops
- Instrument repair shops
- Boiler rooms
- Assembly lines
- Bearings
- Linkages
- Actuators



- Light duty lubrication
- Excellent penetration
- High cleaning ability

652(E)

Pneumatic Lubricant and Conditioner

High performance, low-viscosity formulation reduces up to 90% of pneumatic maintenance costs, decreases downtime and rejects. Cleans, protects, and prolongs the life of pneumatic equipment.

Product Characteristics

- Will not cause sludge build-up
- Prevents seals/O-Rings from drying out
- Reduces power consumption
- Cleans rust, sludge, and dirt from all air tools as it lubricates

Available Container Sizes: 475 ml, 20 l, 208 l

Applications

- · Air tools
- Cylinders
- Air line lubricators
- · Air impact wrenches, hammers, drills
- Production air systems
- CNC machines
- Robotics
- · Assembly line tools



- Lowers friction and reduces air cost
- Cleans and lubricates
- Prevents corrosion

660(E)

Silicone Lubricant

A clean, clear, colorless food-grade silicone lubricant that quickly penetrates surfaces to lubricate, prevent sticking, and reduce wear.

Product Characteristics

- Broad temperature range -40°C 205°C (-40°F 401°F)
- Makes surfaces water-resistant
- Non-staining, fire-resistant, non-toxic
- Penetrates fine tolerances
- Long-lasting lubricant for plastics, rubber, and metal
- Displaces water
- NSF registered H1

Available Container Sizes: Aerosol, 5 I, 20 I Product Availability: 5 I Europe warehouse only (3,8 I is the equivalent size from USA)

- Plastic gears
- Rollers
- HingesSlides
- Bearing mixers
- Conveyors
- · High-speed injection molding
- · Medical and pharmaceutical equipment
- Rubber gasketing
- Sliding doors



- Lowers friction
- Increases equipment life
- Cleans and lubricates



OILS

662 FG

Barrier Fluid 22

Ultra clean, high performance barrier fluid for optimized performance in mechanical seals by improving seal performance.

Product Characteristics

- Extremely low particle count minimizes face wear and extends seal life
- ISO 4406 particle count 12/11/9
- Conforms to FDA 21 CFR 178.3620 a & b 178.3570
- Good thermal stability
- Compatible with most fluids (mineral oil, PAO, and diester: not miscible with glycols or silicones)
- NSF registered H1

Available Container Sizes: 20 I, 208 I

Applications

- · Mechanical seal barrier fluid
- For high temperatures, above 120°C (250°F) use 610 Plus Synthetic Lubricating Fluid



- Part of Chesterton sealing solution
- Ultra clean for long seal face life
- Minimize seal face wear and extend seal life

690 FG(E)

FG Lubricant—Food Grade

Cost-effective, high-quality, multi-purpose, non-staining penetrating lubricant; NSF authorized for incidental food contact and meets FDA standards.

Product Characteristics

- · Clear, colourless, odourless
- Safe and easy to use in bulk or aerosol
- -9°C to 120°C (15°F to 250°F)

Available Container Sizes: Aerosol, 5 I, 20 I, 208 I *Product Availability:* 5 I Europe warehouse only (3,8 I is the equivalent size from USA)

Applications

Food, beverage, and pharmaceutical processing equipment, including:

- Chain drives
- Pistons
- Valves
- Rollers
- Pneumatics



- Safe to use
- Reduces energy consumption
- Increases equipment life

715

Spraflex®/Spraflex® Gold

A surface lubricant for chain drives, open gears, and wire rope. Provides a long-lasting, non-extruding "wear shield" to protect equipment operating under heavy loads.

Product Characteristics

- No lubricant squeeze-out
- Non-drip
- Self-adhering, flexible lubricant
- Resistant to acid fumes
- Guards against rust and corrosion

 Available Container Sizes: Aerosol, 20 I, 208 I

Applications

- Chains
- Open gears
- Wire ropes and cables
- Equipment in wet or underwater environment

Note: Use Chesterton's 715(E) Spraflex Gold where a clean, non-staining film is needed



- Reduces lubricant consumption
- Water-resistant
- Provides long-term equipment life



ANTI-SEIZES

710

Anti-Seize Compound

High temperature, extreme pressure, corrosion resistant anti-seize compound and assembly lubricant. Formulated blend of copper, aluminum, and graphite seals and protects metal parts.

Product Characteristics

- Eases disassembly up to 1100°C (2012°F)
- Meets MIL-A-907D
- On U.S. Navy qualified products list: QPL-907
- Saves threads and parts for reuse by guarding against galling, damage, and breakage during opening
- NSF registered H2

Available Container Sizes: 500 g

Applications

- Valves
- Threaded assemblies
- Press fit bushings
- · Bearing fits
- Pump sleeves
- Forge presses
- · Heat exchangers



- Lubricates for assembly and disassembly
- Protects against corrosion
- No need for torque tension recalculation

725(E)

Nickel Anti-Seize Compound

A high performance, nickel-based anti-seize that combines the extreme pressure, corrosion-resistant, anti-seize abilities of colloidal nickel in an oil suspension that can withstand temperatures up to 1425° C (2597° F).

Product Characteristics

- Ultra-fine particles
- Guards against galling and corrosion
- Protects against self-welding
- Withstands extreme pressure
- Up to 1 425°C (2 597°F)

Available Container Sizes: 250 g, 500 g, Aerosol, 20 l

Applications

Covers all industries

Mechanical assembly of:

bolts, studs, flanges, press fits valve stems, pump sleeves, screws, bushings, gaskets, bearings

772 Premium Anti-Seize—Nuclear certifiable



- Lubricates for assembly and disassembly
- Protects against corrosion
- No need for torque tension recalculation

783(E)

ACR

783 combines high-performance, industrial anti-seize performance with extreme corrosion protection and water washout resistance. 783 is ideal when the primary cause of bolt seizure is corrosion.

Product Characteristics

- Eases disassembly up to 900°C (1652°F)
- $\bullet \ Fills \ in \ microscopic \ voids$
- · No toxic heavy metals
- For extreme pressure up to 8928 kg/cm² (127000 psi)
- Safer than traditional metallic-based anti-seizes *Available Container Sizes:* 250 g, 500 g, 24 kg

Applications

Covers all industries

- Bolts
- Screws
- StudsPipe threads
- Press fits
- Pump sleeves



- Extreme corrosion protection and water washout resistance
- Lubricates for assembly and disassembly



ANTI-SEIZES

785(E) and 785 FG

Parting Lubricant

The "new generation" anti-seize compound contains a blend of ultrafine, inorganic solid lubricants in a non-carbonizing, ashless synthetic carrier. Withstands severe temperature and pressure conditions.

Product Characteristics

- Eases disassembly up to 1 204°C (2 200°F)
- Fills in microscopic voids
- No toxic heavy metals
- For extreme pressures up to 4730 kg/cm² (67570 psi)

Available Container Sizes:

785(E): 200 g, 250 g, 500 g, Aerosol, 20 l 785 FG: 200 g, 500 g

Applications

Covers all industries

- Bolts
- Screws
- Studs
- Pipe threads
- Press fits
- Pump sleeves

Note: FG designates a Food-Grade Product



- Lubricates for assembly and disassembly
- Protects against corrosion
- No need for torque tension recalculation

787

Sliding Paste

A premium quality, pure synthetic, lubricant that will function effectively even at ultra-high temperatures and pressures. For use in the most extreme pressure conditions by leaving a solid lubricating film without varnishing. Product is used to prevent wear, seizing, and galling of equipment assemblies.

Product Characteristics

- · Low coefficient of friction
- Lubricates at pressures to 10687 kg/cm² (152,000 psi)
- Usage temperatures to -23°C 538°C (-10°F – 1000°F)
- · Pure non-carbonizing,
- Synthetic Base
- Contains no toxic heavy metals
- NSF registered H2

Available Container Sizes: 500 g, 5 l, 20 l
Product Availability: 5 l Europe warehouse only
(3,8 l is the equivalent size from USA)

- Stem nuts, lead screws, and Linear actuators
- Flange bolts and high tension studs
- Switch gears
- Wire ropes
- Cranes



- High-pressure lubrication and wear resistance
- Excellent water washout resistance

LUBRICANT DISPENSERS

Lubri-Cup™ OL 500 Oiler

Automatic lubricator dispenses Chesterton oils to chains and other critical areas.

Product Characteristics

Microprocessor-controlled, "pulse" delivery system

- Programmable—operates up to 12 months
- Refillable
- Lubricates up to 4 points
- Sealed microprocessor

Applications

All Industries Including:

- Pulp and paper mills
- Saw mills
- Mining operations
- Steel mills
- · Food, pharmaceutical, beverage industries
- General industry

Versions Available

Lubri-Cup™ 500cc oiler	Battery operated
Lubri-Cup™ 500cc oiler	Machine synchronized and externally powered (DC power)
Lubri-Cup™ 500cc oiler	Machine synchronized and externally powered (AC power)



- Environmentally friendly, refillable container
- User-friendly with a large LCD
- Cost-effective

Lubri-Cup™ EM

Automatic single-point lubricator dispenses Chesterton grease to critical areas, eliminating over- and under-greasing. -15°C - 60°C (5°F - 140°F) Lithium ion battery recommended for cold temperatures.

Product Characteristics

- Microprocessor-controlled, "pulse" delivery system
- Programmable—operates up to 12 months
- Refill with service packs (order separately)
- Lubricates up to 8 bearings—up to 6 m (19 ft) away

Applications

All Industries Including:

- Pulp and paper mills
- Mining operations
- Metal fabrication
- Steel mills
- Marine



- Reliable lubrication system
- User-friendly
- Cost-effective

Versions Available

Lubri-Cup EM	Battery operated, 250cc and 500cc
Lubri-Cup EM MSP 250cc	Machine synchronized to lubricate when machine is on
Lubri-Cup EM-X 250cc	Recommended for hazardous locations
Lubri-Cup EM VS 250cc	Machine synchronized with vibration sensor

Lubri-Cup™VG Mini

Automatic single-point lubricator dispenses Chesterton grease to critical areas, eliminating over- and under-greasing.

Product Characteristics

- A compact, convenient, and sturdy design that is simple to install and operate
- Preset dispensing rates—1, 3, 6, 9, 12 months
- Remote operation—up to 0,3 m (1 ft)
- Electrochemical operation (Nitrogen gas)
- Sealed microprocessor
- · Ability to turn on and off

Applications

All Industries Including:

- Mining and ore processing
- Power
- Pulp and paper
- Water and wastewater
- Steel and metal processing



- Cost-effective
- Transparent container for lubricant inspection
- Reliable lubrication system



ALKALI-BASED

218(E)

HDP

Heavy-duty, concentrated, virtually non-foaming, liquid alkaline degreaser. Designed with the environment in mind, yet it handles tough degreasing applications.

Product Characteristics

- Excellent rinsability
- Corrosion-inhibited
- No silicones, toxic solvents, phosphates, or EDTA
- Dye and fragrance-free

Available Container Sizes: 20 I, 208 I

Product Availability: Europe warehouse only

Applications

- Spray booth washers
- Floor scrubbers
- High-pressure washers
- Steam cleaning equipment
- Can be used in food plants

Note: Chesterton's 218(E) HDP can be used up to 82° C (180° F)



- Cost-effective—highly concentrated—dilute with water to use
- Long lifetime in washing equipment
- Improves worker safety no hazardous powder dust
- Environmentally friendly biodegradable

235(E)

SSC

Powerful cleaner removes oily and greasy deposits, waxes, loose paint, and heavy soils. Specially formulated for steam cleaning equipment.

Product Characteristics

- Additives retard scale build-up and clogging of steam cleaning equipment
- Contains strong alkalis, emulsifiers, and surfactants
- · No irritating fumes

Available Container Sizes: 20 I, 208 I

Applications

General

- ConcreteMasonry
- Equipment (all types)



- Cost-effective—highly concentrated—dilute with water to use
- Strong, fast-acting
- Improves worker safety by removing slippery surfaces
- Biodegradable

Caution: Should not be used on aluminium or metals sensitive to high alkalinity. When using on painted surfaces, test small area for compatibility.

360(E)

Phosphate-Free Cleaner*

Especially effective for the food industry on animal fats and vegetable oils; a versatile industrial cleaner for environmentally-sensitive areas.

Product Characteristics

- Environmentally friendly
- Saponifies animal fat and vegetable oil
- High stable foam
- Biodegradable
- Non-flammable
- Highly dilutable
- NSF registered A1, A4

Available Container Sizes: 20 I, 208 I

Applications

- Food processing equipment
- Bottling machines
- Wax and grease removal from vents, stoves, hoods, and drains
- Wastewater treatment floors
- Pump stations
- Sludge removal
- Floors, walls, vinyl tiles
- Concrete
- Machines
- Machine shop tools



- Cost-effective—highly concentrated—dilute with water to use
- Strong, fast-acting
- Biodegradable

*Do not use on aluminum



ALKALI-BASED

801(E)

Industrial and Marine Biodegradable, Water-Based Degreaser

A powerful, non-solvent -based degreaser. Its advanced surfactant technology offers maximum efficiency in soil removal, especially applications where solvent use is required. Contains phosphates.

Product Characteristics

- Concentrated
- Wide dilution range
- Non-flammable
- Biodegradable
- Stable, clinging foam
- NSF registered A1, A4, A8
- Approved by USCG
- · Economical, efficient

Available Container Sizes: 20 I, 208 I

Product Availability: Europe warehouse only

Applications

Machine Shop/Maintenance:

Removes cutting oils from parts prior to inspection, assembly, and shipping *Marine*:

Removes rot, mildew, and fungi from hulls

Food Industry:

- Food processing equipment
- · Ventilation hoods/fan
- Floors/drains

Caution: Do not use on metals sensitive to attack by alkaline materials



- Cost-effective—highly concentrated—dilute with water to use
- Strong, fast acting
- Biodegradable

803(E)

Industrial and Marine Solvent II

A powerful, non-solvent-based degreaser. Its advanced surfactant technology offers maximum efficiency in soil removal, especially applications where solvent use is required.

Product Characteristics

- Cleaning dust, dirt, carbon black, petroleum-based oils
- Phosphate-free, no EDTA or toxic solvents
- No irritating fumes
- Compatible with pressure washers and steam cleaners

Available Container Sizes: 20 I, 208 I, 1000 I Product Availability: 5 I Europe warehouse only (3,8 I is the equivalent size from USA)

Applications

Covers all industries

Cleaning production equipment, facilities, floors, walls and steel structures

Caution: Should not be used on aluminium or metals sensitive to high alkalinity. When using on painted surfaces, test small area for compatibility.



- Cost-effective—highly concentrated—dilute with water to use
- Strong, fast acting
- Biodegradable

820(E)

KPC

Balances powerful performance with environmental compliance and worker safety—the ideal choice for process degreasing.

Product Characteristics

Effective on:

- Oil deposits
- Soot and exhaust residue
- · Lubricants and metalworking fluids
- · Animal and vegetable fats
- Low residue
- No phosphates, harsh alkalis, or EDTA Available Container Sizes: 20 I, 208 I, 1000 I

Applications

Ideal for manual, dip tank, and ultrasonic cleaning Effective for dip tank cleaning when heated to 82°C (180°F)



- Cost-effective—highly concentrated—dilute with water to use
- Strong, fast-acting, yet moderate pH
- Environmentally friendly biodegradable



ACID-BASED

338(E)

Super Rust Remover

Removes rust from ferrous metal and corrosion from aluminium; brightens copper, brass, stainless steel, and zinc—quickly and safely.

Product Characteristics

- Removes metal oxide layer
- Brightens non-ferrous metals
- · Leaves metal paint-ready
- · Rinses clean with water
- Short-term corrosion protection

Available Container Sizes: 20 I, 208 I

Applications

General

 Metal prefinishing of machined parts and metalwork

Maintenance

- · Restores rusted inventories, Nuts/Bolts
- Threaded Assemblies, Internal Corrosion
- · Shafts, Cast Housings



- Cost-effective—highly concentrated—dilute with water to use
- Inhibited to protect base metals
- Biodegradable

346(E)

Descaler and Chemical Cleaner

Strong, acid-based, multi-use liquid, formulated with metal-protecting inhibitor for a wide range of applications.

Product Characteristics

- Dissolves rust and scale while protecting base surface
- Concentrated hydrochloric base and additives **Available Container Sizes:** 20 I, 208 I

Caution: Not effective on grease, oil, and common soil. Not for use on aluminium, painted enamel, stainless steel, or decorative metals.

Applications

- Steam boiler tubes
- Condenser water systems
- Water circulating equipment
- Concrete etching
- Heat exchangers



- Cost-effective—highly concentrated—dilute with water to use
- Saves on labour, maintenance costs, and fuel consumption in heat transfer equipment
- Inhibited to protect base metals
- Biodegradable

SOLVENT-BASED

273

Electric Motor Cleaner

A non-flammable, non-conductive, and non-corrosive solvent based degreaser. Product can be used on operating equipment and electrical systems to cut through tough grease, dirt, grime, tar, and oil found in industry.

Product Characteristics

- Non-flammable
- Nonconductive
- High dielectric strength
- $\bullet \ \mathsf{Fast} \ \mathsf{penetration}; \mathsf{high} \ \mathsf{solvency}$
- NSF registered K2

Available Container Sizes: Aerosol, 20 I, 208 I

- · Cleans electrical equipment
- Electric motors
- Fuse holders
- Blowers
- FansHoists
- Switches
- Transformers
- Cables



- Strong electrical-grade degreaser
- Fast evaporating
- Residue free



SOLVENT-BASED

274(E)

Industrial Degreaser

A hard surface degreaser for industrial and marine environments.

Product Characteristics

- Dissolves petroleum oil, grease, tar, and other inorganic soils
- Low odour, aromatic content
- Does not attack metal, most paints, and plastics
- · Fast, penetrating action

Available Container Sizes: Aerosol, 20 I, 208 I

Applications

- Maintenance shops
- Dip tanks
- Hard surfaces
- Machined parts
- Recirculating and agitated parts washers



- Cost-effective
- Low evaporation, long lifetime, reduced consumption
- Improve worker safety
- High flash point

276(E)

Electronic Component Cleaner

Fast evaporating, high-performance, solvent-based degreaser that does not contain ozone-depleting solvents.

Product Characteristics

- · Low residue
- · Non-chlorinated
- No ozone-depleting materials

Available Container Sizes: Aerosol, 20 I, 200 I Product Availability: Europe warehouse only (208 I is the equivalent size from USA)

Applications

Spray cleaning

- Switches, controllers, panel meters
- · Circuit boards, contacts, levers
- Control panels

Hard surface degreasing

- Equipment, motors
- · Non-energized electrical equipment
- Parts in process



- Cleans quickly with a fast evaporation rate
- Does not attack plastic or metal

277(E)

Metal Surface Degreaser

A fast-acting, low-residue, non-chlorinated industrial strength degreaser designed to penetrate oils, greases, and other soils.

Product Characteristics

- Fast Evaporation Rate
- No HFC, HCFC, TCE, DCE, n-PBr
- · Safe for all metals and most plastics
- · Low residue, high purity
- · No ozone-depleting chemicals
- NSF registered K2

Available Container Sizes: Aerosol, 20 I, 200 I Product Availability: Europe warehouse only (208 I is the equivalent size from USA)

Applications

Spray cleaning:

- Switches
- Panel meters

- Contacts, connections
- Circuit boards Memory chips

Controllers

Control panels

- · Levers, mechanisms
- Displays

Hard surface degreasing:

- Equipment and components
- Motors, servos, actuators
- · Non-energized electrical equipment
- · Parts in process



- Degreaser for light to medium residue
- Low odor
- Safe for all metals and most plastics



SOLVENT-BASED

279

PCS

One of the most environmentally-friendly, non-flammable, state-of-the-art, precision, electronic cleaning solvents available in the industrial market today. 279 PCS is highly effective for use on electrical and electronic contacts and assemblies to remove light oils, particulates, grease, and other contaminants.

Product Characteristics

- Non-Flammable
- Fast evaporation
- Low residue
- · High dielectric strength
- No ozone depleting potential
- Safe for plastic and elastomers
- NSF registered K2

Available Container Sizes: Aerosol

Applications

- Energized electrical equipment
- Control panels
- Switches
- Delicate instrumentation



- Electrical-grade solvent, plastic safe; CFC- and HCFC-free cleaner.
- Removes light oils, dust, and dirt
- Non-flammable per GHS

294(E)

Critical Surface Degreaser

A general purpose, fast acting, industrial degreaser for critical equipment used to reduce maintenance operations costs associated with downtime.

Product Characteristics

- Fast evaporation
- · Safe on all metals
- Safe on most plastics, rubbers, and coatings
- Contains no aromatic solvents
- NSF registered C1, K1, K3

Available Container Sizes: Aerosol

- Chains and cables
- Gear boxes
- Dies and molds
- Bearings, pumps
- Air toolForklifts
- Brakes and clutches
- Material handling equipment
- Parts and tools



- Removes dust, dirt, oil, and other industrial soils
- Dissolves resins, polymers, adhesives, and petroleum residues.
- Leaves no residue



SPECIALTY PRODUCTS

706(E)

Rustsolvo®

High-quality, fast-acting, penetrating oil that reaches inaccessible areas and frees frozen nuts, bolts, and fittings without damaging the base metal.

Product Characteristics

- Safe on plastic and painted surfaces
- Contains no glycols, alcohols, DMSO (dimethyl sulfoxide) or chlorinated solvents
- Pleasant odour
- Creeps into microscopic spaces

Available Container Sizes: 1 l, 20 l, 208 l

Applications

 Use on all corroded or seized threaded assemblies in the harshest industrial environments



- Single function—optimizes performance
- Fast-acting
- Safe to use

723(E) & 723 FG(E)

Sprasolvo®

Fast-acting, penetrating oil in a convenient, non-flammable propellant aerosol can. Excellent for hard to reach areas where rust, tar, grease, and dirt may prevent easy removal of nuts, bolts, and fittings.

Product Characteristics

- Pinpoint spray
- Safe on plastic and painted surfaces
- Contains no acids or chlorinated solvents
- Creeps into microscopic spaces

Available Container Sizes: Aerosol

Applications

 Use on all corroded or seized threaded assemblies in the harshest industrial environments

Note: FG designates a Food-Grade Product



- Single function—optimizes performance
- Fast-acting
- Safe to use

730(E)

Spragrip®

Superior, energy efficient belt dressing in a convenient aerosol package. Lengthens life of leather, rubber, canvas or plastic belts; reduces belt slippage for all V, flat, and round belts.

Product Characteristics

- Eliminates slippage
- No glazing or hardening
- · Non-staining
- Preserves belts in inventory
- Waterproofs and prevents slipping even under the most humid conditions
- No rosins, asphalt or hard solvents
- NSF registered P1

Available Container Sizes: Aerosol

- Belt drives
- Fans
- Conveyor belts
- Generators
- Pumps
- Compressors



- Maintaining belt efficiency and reliability
- Prevents slippage and energy loss
- Extends belt life



SPECIALTY PRODUCTS

800

GoldEnd® Tape

Heavy-duty, high-density, tear-resistant, mouldable, dry PTFE sealant tape for use on metal or plastic threads, pipes, or bolts.

Product Characteristics

- -240°C 260°C (-400°F 500°F)
- · Seals tightly and opens easily
- Non-aging, non-hardening
- Chemically resistant
- Requires fewer wraps
- Resists tearing and breakage
- · Won't clog lines

Available Sizes: 6,4 mm x 13,72 mm (1/4" x 540"); 12,7 mm x 4,57 mm (1/2" x 180"); 12,7 mm x 13.72 mm (1/2" x 540"); 12,7 mm x 32,92 mm (1/2" x 1269"); 19,1 mm x 13,72 mm (3/4" x 540"); 25,4 mm x 13,72 mm (1" x 540")

Applications

Liquids: Steam, water, salt water, air, fuels, refrigerants, acids, alkalis, all solvents Gases: Hydrogen, ammonia, oxygen, propane, butane, nitrogen Other: Pneumatic and hydraulic fittings up to 690 bar (10000 psi)



- Seals with 1½ to 2 wraps virtually all chemicals
- Adjustable by 90°, no leakage
- No waste

860[™]

Moldable Polymer Gasketing

Two-part, extrudable gasketing material allows for the creation of ultra-thin gaskets in any size, any shape. Never sticks to surfaces.

Product Characteristics

- Resistance to oils, water, chemicals, and solvents
- Never sticks to surfaces
- Fills voids and scratches, up to 6 mm (1/4 inch) deep
- Remains elastic
- Temperatures up to 260°C (500°F)
- Steam to 6,8 kg/cm² (100 psi) and 170°C (338°F) Available Sizes: Kit includes 2 aerosol and 2 cartridges

Applications

- · For sealing complex mechanical assemblies
- Gear boxes, inspection covers, bearing housings, fittings, oil sumps and reservoirs, turbine casings, electrical boxes, vacuum systems

Conforms to FDA standard 21CFR 175.300 and 177.2600. Caution: Not for use in contact with concentrated acids or hot concentrated caustics



- Economical
- Creates gaskets any size and shape
- Ease of application speeds up maintenance

900

GoldEnd® Paste

Non-hardening, non-corrosive, moldable PTFE thread sealant and lubricant for the most difficult of sealing demands on pipe joints, pneumatic fittings, and hydraulic line applications.

Product Characteristics

- UL Listed
- Anti-seize sealing to 260°C (500°F)
- Non-Corrosive and non-toxic
- Safe for PVC, CPVC, plastic pipe fittings
- NSF registered H2, P1

Available Container Sizes: 200 g, 500 g, 20 l

- Non-hardening thread sealant and lubricant for liquids, gases, pneumatic or hydraulic fittings; holds gaskets in place
- · Ideal for stainless steel



- Lubricates threads during assembly
- Non Hardening—seals tightly, opens easily.



SPECIALTY PRODUCTS

989

Release Compound

A concentrated silicone release, water-based agent for use in mold applications operating at temperatures from 60°C to 260°C (140°F to 500°F) without sticking, spotting, or marking.

Product Characteristics

- No organic solvents, Freons[™] (CFC's), or Halogenated compounds
- · No mold build up
- Enhanced worker safety
- Faster cycling

Available Container Sizes: 20 |

Applications

- · Molding methods
- Castings
- Die castings
- · Blow molding
- Investment castings
- · Sand core operations



- Multiple releases from one application
- Can be atomized for production use
- Eliminates release agent build up on the mold

995

Release Agent

Concentrated formulation for use in all mold applications. Up to 20% more releases per application, therefore increases production rates, and reduces costly rejects.

Product Characteristics

- · Easily applied
- Fast evaporation
- · Maximum release without sticking
- Uniform coverage

Available Container Sizes: Aerosol, 20 l

Applications

- Molds
- Thermosets thermoplastics
- Castings
- Sand core operations



- Reduces reapplication and consumption
- Increased productivity
- Improved part quality

3500

Valvelon™

A dense, multi-layered, 100% PTFE sealant used as a non-hardening valve packing or flange gasket. The unique construction allows it to squeeze in all directions to fill voids and conform to surface shapes.

Product Characteristics

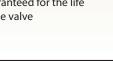
- · Non-hardening
- Non-toxic
- Unlimited shelf life
- · Chemically inert
- · High tensile strength
- Non-reactive to most chemicals
- pH range 0 -14
- NSF registered P1

Available Sizes: 2,4 mm x 15,3 m (3/32" x 50'); 4,0 mm x 10,7 m (5/32" x 35'); 5,6 mm x 4,6 m (7/32" x 15'); 7,1 mm x 2,7 m (9/32" x 9')

- Generally all substances within a pH range of 0 to 14
- Steam, salt water, air, refrigerants, sulfuric acid, hydrochloric acid, nitric acid, chromic acid
- · Sodium hydroxide, potassium hydroxide, kerosene, gasoline, perchloroethylene, hydrogen, ammonia, fluorinated solvents
- · Chlorine, propane, butane, nitrogen



- Wrap around valve stem no rings to cut
- Conforms to surface shape to seal
- Guaranteed for the life of the valve



415(E)

Concrete Sealer

Tough polymer coating that seals, protects and beautifies old and new concrete, brick, rock, wood, and metal.

Product Characteristics

- Penetrates to seal concrete—eliminates possibility of peeling like a paint
- · No mechanical or acid etching required
- Good to seal concrete that will be underwater
- Good chemical resistance—spills—pH 2-13
- Excellent to alkali spills and Salts

Available Container Sizes: 196 I, 20 I

Product Availability: Europe warehouse only

Applications

- Concrete
- Wastewater clarifiers
- Cooling towers
- Bridge supports
- I-Beam footings
- · Spillways, dams
- · Floors, cement blocks
- Stucco, brick, stone walls, tiles
- Buildings, sidewalks, aisle ways



- Lower cost per installed m² than paint.
- Penetrating sealer—limits adhesive failure
- Ease of reapplication

421

Clear Protective Coating (CPC)

General protective acrylic coating provides a clear, flexible film to protect against air, water, oils, chemicals, and corrosion up to 80°C (176°F). Use 421 CPC wherever a water resistant, tough acrylic coating is desired on metal and wooden materials.

Product Characteristics

- UV stable
- Oil resistant
- Water resistant
- Non-staining
- · Colorless, solvent based coating
- High Dielectric Strength—1200 volts per $25 \mu (1 \text{ mil.})$
- May be used as a "conformal coating" Available Container Sizes: Aerosol

Applications

- Metal machinery
- Tools
- Forms
- Flectrical assemblies
- Electronic circuit boards



- **Excellent adhesion**
- Quick drying, durable and long lasting

438

PTFE Coating

The best combinations of a clean, dry, PTFE-based lubricant with a tough, protective coating that resists water and chemicals. It does more than simply reduce friction; the product additionally coats and protects the surfaces of parts and equipment.

Product Characteristics

- Specifically designed for smooth, nonporous surfaces
- Strong resistance to washout
- · Will not absorb or hold moisture
- · Stops sticking and material build-up
- Saves cost of replacement parts
- Reduces lubricant costs
- NSF registered H2

Available Container Sizes: Aerosol

- Metal
- Plastic
- Wood Leather
- Fiber
- Elastomers
- Glass
- Painted surfaces



- Prevents material hang up
- Durable and long lasting
- Saves production time



740(E)

Heavy-Duty Rust Guard

This long-term, corrosion-preventative coating provides heavy-duty metal protection for all areas constantly exposed to humidity and corrosive fumes—without critical surface preparation.

Product Characteristics

- Self-healing, if scratched
- Transparent brown

Available Container Sizes: Aerosol, 5 I, 20 I, 208 I Product Availability: 5 I Europe warehouse only (3,8 I is the equivalent size from USA)

Applications

- Metal tools
- · Parts in process
- Parts in storage
- Pumps
- Indoor structural steel

Note: Product can be easily removed with Chesterton's 276(E) Electronic Component Cleaner or 274(E) Industrial Degreaser



- Provides up to two years corrosion protection under sheltered outdoor conditions
- Does not peel or flake
- Excellent resistance to acid, alkali, and salt air fumes

752

Cold Galvanizing Compound

Zinc rich primer or final protective coating for metals exposed to atmospheric or corrosive conditions. The one-part system provides three types of corrosion protection: barrier, galvanic, and zinc oxide. A quick, cost-effective way to cold galvanize parts and finished product.

Product Characteristics

- Fast drying
- Self healing
- One-part system
- Paintable
- Conforms to MIL-P-46105, MIL-P-21035, and MIL-P-26915
- Authorized by the USDA

Available Container Sizes: Aerosol, 2,7 kg

- Steel and iron surface/structures
- Structural steel tanks
- Transmission towers
- Underground pipelines
- Automotive bodies
- Marine equipment
- Mining equipment
- Metal roofs
- Welds
- Ducts



- High zinc content
- Ultra fine particle size
- Excellent coverage and protection
- Excellent adhesion

763

Rust Transformer®

A mild, natural acid-based product that electrochemically transform rust into a corrosion inhibiting protective film. Provides an excellent, low cost alternative to sand blasting for surface preparation.

Product Characteristics

- · Cleans up with water
- No strong acids
- Biodegradable
- Forms protective film

Available Container Sizes: 3,8 l, 20 l, 208 l

Applications

- Coatings on storage tanks
- Auto or truck bodies
- Heavy equipment
- Bridges
- Transmission line towers
- Ships
- Piers
- Structural steel



- Highly reactive tannic acid maximizes rust conversion
- Reacts only with rust
- Does not damage good paint

775(E)

Moisture Shield

An efficient, clear, moisture-displacing and anti-corrosion protective film that protects metal parts and equipment for months.

Product Characteristics

- Transparent film
- Excellent corrosion protection
- Penetrates fine tolerances
- · High dielectric strength
- Protects new metal from corrosion *Available Container Sizes:* Aerosol, 20 I, 208 I

Parts in process, transit, or storage

Applications

- Electrical systems
- Marine industry
- Drying out of wet electrical parts

Note: Where long-term protection is desired use Chesterton's 740(E) Heavy-Duty Rust Guard



- Short-term corrosion protection
- Easily removable with Chesterton's water-based or solvent-based cleaners



372(E)

Opticool Emulsified Oils

Opticool fluids are the newest line of emulsifiable machinery coolants. Emulsified coolants are ideal where lubrication is important and operations are severe.

Product Characteristics

- · Unique, base oil technology
- Extreme pressure capability
- Minimizes rancidity and odours
- Corrosion protection
- Virtually eliminates adverse skin effects Available Container Sizes: 20 I, 208 I, 1000 I

Applications

- · Broaching, drilling, reaming
- · Tapping, threading, milling
- · Turning, grinding, stamping



- Long sump life
- Reduced purchases, disposal, and downtime costs
- Improves part finish and tool life

388

Synthetic Tapping Fluid

Safe, pure synthetic formula for machining operations performed at high-speed and -feed rates, as well as manual or automatic single-shot cutting tool applications.

Product Characteristics

- Ready to use
- · Metal fines do not stick
- · Can be used with aluminium, and aluminium alloys
- · Does not smoke, fume, or mist
- Essentially odourless
- Excellent lubricity and heat dissipation

Available Container Sizes: 475 ml, 20 l, 208 l

Applications

- Tapping
- Boring
- Reaming
- Threading
- Drilling
- Milling
- · May be used in mist applications



- Fluid, penetrates tight tolerances
- Improves part finish and tool life
- Biodegradable, contains no oil or solvents

390

Cutting Oil

A heavy-duty, multi-purpose, oil-based cutting fluid to provide maximum tool life and superior parts finish. The high viscosity oil clings to drills, taps, bores, etc. and will provide maximum friction reduction. Available in aerosol format only.

Product Characteristics

- Use on hard or soft ferrous metals
- Powerful extreme pressure additives
- Cleaner cuts, prevents metal to metal microwelding, galling and built-up edges
- Protects from rust
- No unpleasant odors
- NSF registered H2, P1

Available Container Sizes: Aerosol

- Broaching
- Borina
- Drilling
- Sawing Reaming
- Milling
- · Pipe threading
- Countersinking



- Provides maximum tool life
- **Excellent part finish**
- Clings to vertical and overhead surfaces



395

Tapping Lubricant

High performance petroleum based machining lubricant for aluminum and other soft metals, but can be used on all metals. Improve machinability and production rate with this high quality cutting fluid that will not stain or darken metals during machining processes.

Product Characteristics

- · High viscosity clings to tools
- · Contains no chlorinated hydrocarbons
- Will not corrode aluminum or other soft metals
- · Clear, colorless, non-staining
- · Stops galling; promotes a uniform cut
- NSF registered H2

Available Container Sizes: Aerosol, 20 l

Applications

- Tapping
- Threading
- · Reaming
- Boring
- Milling
- Broaching · Air mist applicators
- · Acceptable for a variety of metals including aluminum alloys
- · Excellent for aluminum mold fabrication and prototype machining



- **Excellent lubricity** for softer metals
- Prolongs life of cutting tools
- Increases production rate

572(E)

Opticool

A clear, stable, and long-lasting micro emulsion that offers exceptional foam control and maximum sump life. Chesterton Opticool™ 572 is ideal for multi-task machining centers and multi-machining fluids standardization. Mild to the skin.

Product Characteristics

- Excellent cooling and lubricating properties
- Reduces mist and smoke inhalation hazards
- Excellent foam control
- · Clean, pleasant working environment
- Extreme-pressure capabilities
- Microbial-resistant additive package extends sump life
- · Contains no nitrites, phenols, sulfur, mercurials, or formaldehyde

Available Container Sizes: 20 I, 208 I, 1000 I

Applications

- Sawing
- Drawing Reaming
- Turning
- Stamping
- Milling

- Tapping Broaching Threading
- Grinding



- Clear formula
- Improves part finish and tool life
- Reduced oil mist
- Long sump life

972(E)

Opticool

This new generation DEA and boron-free formulation incorporates all the benefits of synthetic technology. Superior non-foaming ingredients, corrosion inhibitors, and extreme pressure additives offer a premier, multi-task, high-speeds and feeds metalworking fluid.

Product Characteristics

- Superior cooling properties
- Rejects tramp oil
- Excellent swarf settling and filterability
- Reduces heat at high speeds and feeds
- Reduces odors associated with emulsion coolants
- · No gummy residues
- Bio-resistant package reduces microbial attack
- · Allows for a clean, safe worker environment

Available Container Sizes: 20 |, 208 |

- Broaching
- Drilling
- Tapping
- Threading
- Grinding Stamping
- Reaming
 - Sawing
 - Drawing
 - Turning



- DEA and boron-free formula
- Oil free—no oil mist
- Cleaner machine and parts
- High surface speed increased productivity



ORDERING INFORMATION

218(E) HDP	0020045
20 208	
235(E) SSC	005002L
20	080032E
208 I	
273 Motor Electric Cleaner	
20	08051
208	
Aerosol 397 g - EUR	08784
274(E) Industrial Degreaser	0040045
20 I 208 I	
Aerosol 300 g - EUR	
276(E) Electronic Component C	
20	
200	
Aerosol 250 g - EUR	087851E
277(E) Metal Surface Degrease	r
201	083432E
200	
Aerosol 250 g - EUR	087852E
279 PCS	00705
Aerosol 250 g - EUR	
294(E) Critical Surface Degreas	
Aerosol 397 g - EUR	080208E
338(E) Super Rust Remover 20	082004E
208	
346(E) Descaler and Chemical C	
20	
208	
360(E) Phosphate-Free Cleaner	•
201	083603E
208	
1000	086562E
388 Synthetic Tapping Fluid	00140
475 ml	
208	
390 Cutting Oil	
Aerosol 370 g - EUR	08786
415(E) Concrete Sealer	
20	085738E
196 l	
421 Clear Protective Coating	
Aerosol 320 g - EUR	08786
438 PTFE Coating	
Aerosol 350 g - EUR	08786
601(E) Chain Drive Pin and Bus	
51	
201	
2001	081907E
208	
Aerosol 350 g - EUR	087864E
	087864E i d

607(E) HTS - 220 Lubricating Fluid	
20	085333EU
208	085334EU
610 Plus Synthetic Lubricating Fluid	
51	085709EU
20	
208	084295EU
Aerosol 350 g - EUR	. 087865EL
610 HT Synthetic Lubricating Fluid	
51	.085711EL
20	080418EU
208	080419EU
610 MT Plus Synthetic Lubricating F	luid
20	
208 l	
615 HTG #1 High-Temperature Grea	
400 g	
18 kg	
55 kg	
180 kg	
615 HTG #2 High-Temperature Grea	
400 g	
18 kg	080042EC
55 kg	
180 kg	
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615 HTG #2 - 460 High-Temperature 400 q	
18 kg	
180 kg	. 004203EU . 004100EI
-	. 004170LC
622 White Grease	005343
400 g	
18 kg55 kg	
-	000000
625 CXF Grease	
400 g	
18 kg	080/05
55 kg	
180 kg	
629 High Temperature White Grease	2
400 g	081127
18 kg	
55 kg	081187
630 SXCF Grease	
400 g	
18 kg	
55 kg	
Synthetic, Aerosol, 285 g, EUR	082865EU
633 SXCM	
400 g	
18 kg	
55 kg	088564
635 SXC Grease, Corrosion Resistant	,
Extreme Pressure	
400 g	088556
18 kg	
	088557
55 kg 180 kg	088557 088558

651(E) Detergent Lubricating Oil	
201	001111511
208	
Aerosol 350 g - EUR	
652(E) Pneumatic Lubricant and Co	
475 ml	
201	
2081	0830 18EU
690 FG(E) Lubricant, Food Grade	
51	
201	
208	
Aerosol 350 g - EUR	08/8/0E0
706(E) - Rustsolvo®	
11	
201	
208	08 130/EU
710 Anti-Seize Compound	
500 g	082309
715 Spraflex®	
201	
2081	
Aerosol 350 g - EUR	08/8/2
715(E) Spraflex® Gold	
3,8 l (1 gal)	
201	
208 l Aerosol 300 g - EUR	
2	00/0/1E0
723(E) Sprasolvo®	007075511
Aerosol 350 g - EUR	08/8/5EU
723(E) FG Sprasolvo®	
Aerosol 350 g - EUR	
725(E) Nickel Anti-Seize Compound	
250 g Brush Top	
500 g Brush Top	
201	082349EU
20 I Aerosol 350 g - EUR	082349EU
20 I	082349EU 087875}
20 I Aerosol 350 g - EUR 730(E) Spragrip ® Aerosol 320 g - EUR	082349EU 087875}
20 I	082349EU 087875} 087876EU
20 I	082349EU 087875} 087876EU 085712EU
20 I	082349EU 087875} 087876EU 085712EU 087704EU
20	082349EU 087875} 087876EU 085712EU 087704EU 087707EU
20 I	082349EU 087875} 087876EU 085712EU 087704EU 087707EU
20 I	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU
20 I	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU
20 I	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU
20	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU 087877EU
20 I	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU 082603 087878
20	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU 082603 087878
20 I	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU 082603 087878
20	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU 082603 082678 089417 089419
20	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU 087877EU 089417 089418 089419 082110EU
20	082349EU 087876EU 085712EU 087704EU 087707EU 087877EU 087877EU 089417 089419 082110EU 082107EU



ORDERING INFORMATION

783(E) ACR	
250 g Brush Top	082805FU
500 g Brush Top	
20 l, 24 kg	
785(E) Parting Lubricant	
200 g	086907EU
250 g Brush Top	
500 g Brush Top	
201	
Aerosol 350 g - EUR	087881EU
785 FG Parting Lubricant, Food Gr	
200 g	
500 g Brush Top	080788
800 GoldEnd® Tape	
6,4 mm x 13,72 mm (1/4" x 540")	000805
12,7 mm x 4,57 mm (1/2" x 180")	000801
12,7 mm x 13.72 mm (1/2" x 540")	
12,7 mm x 32,92 mm (1/2" x 1269")	
19,1 mm x 13,72 mm (3/4" x 540")	
25,4 mm x 13,72 mm (1" x 540")	
803(E) Industrial and Marine Solv	ent II
51	
201	
208	090388EU
1000 I	086768EU
860 Moldable Polymer Gasketing	Kit
2 Aerosol and 2 Cartridges	
820(E) KPC	
201	082260EU
2081	
1000 I	083555EU
900 GoldEnd® Paste	
200 g	000908
500 g Brush Top	
20	000936
989 Release Compound	
20	081693
995 Release Agent	
201	081779
208	
Aerosol 275 g - EUR	087884
372 Opticool™ Emulsified Oils	
201	082315EU
208	
1000 I	082317EU
572 Opticool™	
201	082324EU
208	082325EU
1000 l	082326EU
972 Opticool™	
201	084230EU
208	
3500 Valvelon™	
2,4 mm x 15,3 m (3/32" x 50')	003566
4,0 mm x 10,7 m (5/32" x 35')	003570
5,6 mm x 4,6 m (7/32" x 15')	
7,1 mm x 2,7 m (9/32" x 9')	

ubri-Cup™ 500cc Oiler	
Battery Operated	084319
AC Power Supply	084457
OC Power Supply	084464
Lubri-Cup™ EM 250cc Grease Dispense	er
lectronic Dispenser	981100
.ubri-Cup™ EM-X 250cc	
lectronic Dispenser ATEX	981067
.ubri-Cup™ VG Mini	
330 SXCF Grease	084473





For NSF approvals please go to http://info.nsf.org/USDA/Listings.asp?Company=N02425

Product	NSF Number	NSF Category	FDA	Military/Federal Specification	Other
218(E) HDP	156780	A1	-	_	-
235 SSC	133964	A4			
235(E) SSC	157025	A4	-	-	-
273 Electric Motor Cleaner	133975	K2	-	-	UL Listed (Aerosol Only)
273 Electric Motor Cleaner (Aerosol)	133976	K2	-	-	UL Listed (Aerosol Only)
274 Industrial Degreaser	133955	C1, K1, K2	178.3530	-	_
274 Industrial Degreaser (Aerosol)	133949	C1, K1, K2	178.3530	-	_
274(E) Industrial Degreaser (Aerosol)	156719	C1, K1, K2	178.3530	-	_
274(E) Industrial Degreaser (Bulk)	156722	C1, K1, K2	178.3530	-	-
276 Electronic Component Cleaner (Aerosol)	133973	K2	178.882 172.884 178.3530 178.3650		
276 Electronic Component Cleaner (Bulk)	133974	K2	178.882 172.884 178.3530 178.3650		
276(E) Electronic Component Cleaner (Aerosol)	156047	K2	178.882 172.884 178.3530 178.3650	-	-
276(E) Electronic Component Cleaner (Bulk)	156048	K2	178.882 172.884 178.3530 178.3650	-	-
277 Metal Surface Degreaser (Aerosol)	134008	C1, K1	178.882 172.884 178.3530		
277 Metal Surface Degreaser (Bulk)	134007	C1, K1	178.882 172.884 178.3530		
277(E) Metal Surface Degreaser (Aerosol)	156725	C1, K1	178.882 172.884 178.3530	-	-
277(E) Metal Surface Degreaser (Bulk)	156726	C1, K1	178.882 172.884 178.3530	-	-
279 PCS	134012	K2	-	-	German IGl250121/29
294 CSD	143867	C1, K1, K3	-	-	-
294(E) CSD	156050	C1, K1, K3	-	-	-
346 Descaler and Chemical Cleaner	133962	A3	-	-	-
3500 Valvelon	134013	P1	-	-	-
360 Phosphate-Free Cleaner	133961	A1, A4	-	-	-
360(E) Phosphate-Free Cleaner	157900	A1, A4	-	-	-
390 Cutting Oil (Aerosol)	134947	H2, P1	-	-	-
395 Tapping Lubricant	133935	H2	-	-	-
438 PTFE Coating (Aerosol)	133950	H2	_	-	_



For NSF approvals please go to http://info.nsf.org/USDA/Listings.asp?Company=N02425

Product	NSF Number	NSF Category	FDA	Military/Federal Specification	Other
601 Chain Drive Pin and Bushing Lubricant (Aerosol)	133927	H2	-	-	German Mining 62.12.22.63- 2012-3
601 Chain Drive Pin and Bushing Lubricant (Bulk)	133979	H2	-	-	German Mining 62.12.22.63- 2012-3
601(E) Chain Drive Pin and Bushing Lubricant (Aerosol)	156049	H2	-	-	German Mining 62.12.22.63- 2012-3
601(E) Chain Drive Pin and Bushing Lubricant (Bulk)	156678	H2	-	-	German Mining 62.12.22.63- 2012-3
610 Plus Synthetic Lubricating Fluid (Bulk)	153827	H2	-	_	_
610 Synthetic Lubricating Fluid (Aerosol)	133972	H2	-	_	_
610(E) Plus Synthetic Lubricating Fluid (Aerosol)	158255	H2	-	-	-
610 MT Plus	157692	H2	-	_	-
615 High Temperature Grease #1	133941	H2	-	_	_
615 High Temperature Grease #2	133940	H2	_	_	_
622 White Grease	133929	H1	178.3570 177.1550	-	-
625 CXF Corrosion Resistant, Extreme Pressure Food Grade Grease	138414	H1	178.3620 178.3570	-	_
629 High-Temperature White Grease	133936	H1	178.3570 177.1550	-	-
630 SXCF (Aerosol)	142462	H1	178.3570		
630 SXCF (Bulk)	138415	H1	178.3570		
630(E) SXCF (Aerosol)	156173	H1	178.3570	_	_
651 Detergent Lubricating Oil (Aerosol)	133928	H2	-	_	German Mining 62.12.22.63- 2012-3
651 Detergent Lubricating Oil (bulk)	133946	H2	-	-	German Mining 62.12.22.63- 2012-3
651(E) Detergent Lubricating Oil (Aerosol)	156676	H2	-	-	German Mining 62.12.22.63- 2012-3
651(E) Detergent Lubricating Oil (Bulk)	156677	H2	-	-	German Mining 62.12.22.63- 2012-3
652 Pneumatic Lubricant and Conditioner	133944	H2	_	_	_
652(E) Pneumatic Lubricant and Conditioner (Bulk)	153829	H2	-	-	-
660 Silicone Lubricant (Aerosol)	133970	H1	181.28 178.3910 178.3570 178.884 178.3650	-	-
660 Silicone Lubricant (Bulk)	133932	H1	181.28 178.3910 178.3570 178.884 178.3650	-	-



For NSF approvals please go to http://info.nsf.org/USDA/Listings.asp?Company=N02425

Product	NSF Number	NSF Category	FDA	Military/Federal Specification	Other
660(E) Silicone Lubricant (Aerosol)	156170	H1	181.28 178.3910 178.3570	-	-
660(E) Silicone Lubricant (Bulk)	156171	H1	181.28 178.3910 178.3570	-	-
662 FG Barrier Fluid 22	143837	H1	-	_	-
690 FG Lubricant (Aerosol)	133933	H1	178.3620		
690 FG Lubricant (Bulk)	133969	H1	178.3620		
690 FG(E) Lubricant (Aerosol)	156629	H1	178.3620 178.3570	MIL-A-907	-
690 FG(E) Lubricant (Bulk)	156630	H1	178.3620 178.3570	MIL-A-907	
706 Rustsolvo®	133942	H2	_	_	_
706 (E) Rustsolvo®	156183	H2	-	_	-
710 Anti-Seize Compound (Bulk)	133958	H2	_	MIL-A-907	QPL -907
715 Spraflex®	133938	H2	_	_	_
715 Spraflex® (Aerosol)	133934	H2	_	_	_
715 Spraflex® Gold	133930	H2	-	-	German Mining 62.12.22.63- 2012-3
715 Spraflex® Gold (Aerosol)	133931	H2	-	-	German Mining 62.12.22.63- 2012-3
715(E) Spraflex® Gold (Aerosol)	157854	H2	-	-	German Mining 62.12.22.63- 2012-3
715(E) Spraflex® Gold (Bulk)	157855	H2	-	-	German Mining 62.12.22.63- 2012-3
723 Sprasolvo®	133939	H2	_	_	-
723(E) Sprasolvo®	156090	H2	_	_	-
723 FG Sprasolvo®	134006	H1	172.884 178.3620 178.3650 178.3570	-	-
723 FG(E) Sprasolvo®	156781	H1	172.884 178.3620 178.3650 178.3570	-	-
725 Nickel Anti-Seize Compound	133939	H2	-	MIL-A-907	-
725(E) Nickel Anti-Seize Compound	156829	H2	_	MIL-A-907	-
730 Spragrip®	133947	P1	-	-	German Mining 62.12.22.63- 2012-3
730(E) Spragrip®	-				German Mining 62.12.22.63- 2012-3
740 Heavy-Duty Rust Guard	-			MIL-C-16173D Grade 1 and 4	German Mining 62.12.22.63- 2012-2
740(E) Heavy-Duty Rust Guard	-			MIL-C-16173D Grade 1 and 4	German Mining 62.12.22.63- 2012-2



For NSF approvals please go to http://info.nsf.org/USDA/Listings.asp?Company=N02425

Product	NSF Number	NSF Category	FDA	Military/Federal Specification	Other
775 Moisture Shield (Aerosol)	134015	H2	-	MIL-P-46105 MIL-P-26915 MIL-P-21035	_
775(E) Moisture Shield (Aerosol)	156718	H2	-	MIL-P-46105 MIL-P-26915 MIL-P-21035	-
783 ACR	-	-	-	-	German Mining 62.12.22.63- 2012-3
783(E) ACR	-	-	-	-	German Mining 62.12.22.63- 2012-3
785 Parting Lubricant	133960	H2	_	_	-
785(E) Parting Lubricant	156782	H2	_	-	-
785 FG Parting Lubricant	132237	H1	_	-	_
785 FG(E) Parting Lubricant	156126	H1	-	-	_
787 Sliding Paste	133956	H2	_	-	-
800 GoldEnd® Tape	134016	H1, P1	177.1615 177.1550	MIL-T-27730A	UL® Listed USA, ULC Listed Canada, Oxygen tested per ISO 10297 and ISO 11114-3, Oxygen certified BAM Ref. No. 11.1/46 513, Certified Food Grade 1935- 2004. F44
801(E) Industrial and Marine Solvent	156783	A1, A4, A8	-	-	_
803 Industrial and Marine Solvent II	133966	A1	-	-	_
803(E) Industrial and Marine Solvent II	157026	A1	_	-	_
820 KPC	133963	A1	-	-	_
820(E) KPC	156904	A1	-	-	_
860 Moldable Polymer Gasketing	134017 134018	P1	175.300 177.2600	_	German Mining 62.12.22.63- 2012-3
900 GoldEnd® Paste	133957	H2, P1	-	-	UL Listed

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