CHAIN & DRIVES
COMPLETE POWER TRANSMISSION

POWER > SPEED > TORQUE

INDUSTRIAL LUBRICANTS AND MRO PRODUCTS

PRODUCT CATALOG

Industrial Lubricants

Cleaners and Degreasers

Maintenance Specialties

CHESTERTON
Global Solutions, Local Service.

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*

TABLE OF CONTENTS

INDUSTRIAL LUBRICANTS

Greases 4
- Product Selection Guide 4
- Grease Compatibility Chart 4
- 613 Moly Grease 5
- 615 HTG #1 5
- 615 HTG #2 5
- 615 HTG #2-460 5
- 622 White Grease 6
- 625 CXF 6
- 629 High Temperature White Grease 7
- 630 SXCF 7
- 633 SXCM 8
- 635 SXC 8

Oils 9
- Product Selection Guide 9
- 601 Chain Drive Pin and Bushing Lubricant 10
- 610 Plus Synthetic Lubricating Fluid 9
- 610 MT Plus Synthetic Lubricating Fluid 9
- 610 HT Synthetic Lubricating Fluid 9
- 651 Detergent Lubricating Oil 10
- 652 Pneumatic Lubricant and Conditioner 11
- 660 Silicone Lubricant 11
- 662 FG Barrier Fluid 22 12
- 690 FG Lubricant 12
- 715 Spraflex® 13
- 715 Spraflex® Gold 13

Anti-Seizes 13
- 710 Anti-Seize Compound 13
- 725 Nickel Anti-Seize Compound 14
- 772 Premium Nickel Anti-Seize Compound 14
- 783 ACR 15
- 785 Parting Lubricant 15
- 785 FG Parting Lubricant 16
- 787 Sliding Paste 16

CLEANERS AND DEGREASERS

- Product Selection Guide 17

Alkali-Based 18
- 235 SSC 18
- 360 Phosphate-Free Cleaner 18
- 803 Industrial and Marine Solvent II 19
- 820 KPC 19
- 820N KPC 19

Acid-Based 20
- 338 Super Rust Remover 20
- 346 Descaler and Chemical Cleaner 20

Solvent-Based 21
- 273 Electric Motor Cleaner 21
- 274 Industrial Degreaser 21
- 276 Electronic Component Cleaner 22
- 279 PCS 22
- 292 Precision Degreasing Solvent 23
- 294 CSD 23
- 296 Electro Contact Cleaner 24

MAINTENANCE SPECIALTIES

Specialty Products 25
- 706 Rustsolvo® 25
- 723 Sprasolvo™ 25
- 723 FG Sprasolvo™ 25
- 730 Spragrip® 26
- 800 GoldEnd® Tape 26
- 860 Moldable Polymer Gasketing 27
- 900 GoldEnd® Paste 27
- 989 Release Compound 28
- 995 Release Agent 28
- 3500 Valvelon™ 29

Corrosion Protection 29
- 421 Clear Protective Coating (CPC) 29
- 438 PTFE Coating 30
- 740 Heavy Duty Rust Guard 30
- 752 Cold Galvanizing Compound 31
- 763 Rust Transformer® 31
- 775 Moisture Shield 32

Metalworking Fluids 33
- 380 Machinery Coolant 33
- 388 Synthetic Tapping Fluid 33
- 390 Cutting Oil 34
- 395 Tapping Lubricant 34

ACCESSORIES

Lubricant Dispensers 35
- Lubri-Cup™ EM 35
- Lubri-Cup™ OL 500 Oiler 35
- Lubri-Cup™ VG 36
- Lubri-Cup™ VG Mini 36

TECHNICAL SPECS

- NSF® Category Code Letter 37
- Product Specifications and Qualifications 38-39

CHESTERTON®
Global Solutions, Local Service.

GREASES

Advanced Grease Technology Selection Guide

Industrial Grade Grease									
Name	**Thickener**	**Base Oil**	**NLGI Grade**	**Base Oil Viscosity**	**Dropping Point ASTM D2265**	**Service Temp**	**Four Ball Wear Weld Load, ASTM D2596**	**Water Washout Resistance ASTM D1264**	**Corrosion Resistance ASTM B117**
613 Moly Grease	Lithium 12 Hydroxystearate	Mineral	2	220	199°C (390°F)	-18 to 138°C (0 to 280°F)	400 Kg	6.2	50 hours @50 microns
615 HTG #1	Calcium Sulfonate Complex	Mineral	1	100	300°C (572°F)	-45 to 204°C (-50 to 400°F)	620 Kg	<1.0	>1000 hours @50 microns
615 HTG #2	Calcium Sulfonate Complex	Mineral	2	100	318°C (604°F)	-40 to 204°C (-40 to 400°F)	620 Kg	< 0.05	>1000 hours @50 microns
615 HTG #2 460	Calcium Sulfonate Complex	Mineral	2	460	>300°C (572°F)	-40 to 204°C (-40 to 400°F)	500 Kg	< 0.05	>1000 hours @50 microns
633 SXCM	Calcium Sulfonate Complex	Synthetic (PAO)	1	32	280°C (550°F)	-50 to 250°C (-58 to 482°F)	800 Kg	< 2.0	>1000 hours @50 microns
635 SXC	Calcium Sulfonate Complex	Synthetic (PAO)	2	100	318°C (604°F)	-40 to 240°C (-40 to 464°F)	800 Kg	< 0.05	>1000 hours @50 microns
Food Grade Grease									
Name	**Thickener**	**Base Oil**	**NLGI Grade**	**Base Oil Viscosity**	**Dropping Point ASTM D2265**	**Service Temp**	**Four Ball Wear Weld Load, ASTM D2596**	**Water Washout Resistance ASTM D1264**	**Corrosion Resistance ASTM B117**
622 White Grease	Aluminum Complex	Mineral	2	100	245°C (473°F)	-23 to 170°C (-10 to 338°F)	250 Kg	2.45	500 hours @50 microns
625 CXF	Calcium Sulfonate Complex	Mineral	2	100	318°C (604°F)	-30 to 204°C (-22 to 400°F)	620 Kg	< 0.05	>1000 hours @50 microns
629 HTWG	Inorganic	Synthetic Mineral (PAO) Blend	2	220	260°C (500°F)	-34 to 204°C (-29 to 400°F)	160 Kg	< 0.2	50 hours @50 microns
630 SXCF	Calcium Sulfonate Complex	Synthetic (PAO)	2	40	318°C (604°F)	-40 to 240°C (-40 to 464°F)	620 Kg	< 0.05	>1000 hours @50 microns

Grease Compatibility Chart

	613	615	622	625	629	630	633	635
Aluminum Complex	I	B	C	B	I	B	B	B
Barium Complex	I	C	I	C	C	C	C	C
Calcium Stearate	B	C	I	C	I	C	C	C
Calcium 12 Hydroxy	C	B	C	B	B	B	B	B
Calcium Complex	I	I	I	I	C	I	I	I
Calcium Sulfonate	B	C	B	C	I	C	C	C
Clay Non-soap	I	I	I	I	B	I	I	I
Lithium Stearate	C	B	I	B	I	B	B	B
Lithium 12 Hydroxy	C	B	I	B	I	B	B	B
Lithium Complex	C	C	C	C	I	C	C	C
Polyurea, Conventional	I	I	I	I	I	I	I	I
Polyurea, Shear Stable	C	C	C	C	I	C	C	C

Legend and Grease Chart Recommendations

C	B	I
Compatible – *New grease can be applied as normal* without purging, cleaning or flushing lines or bearing housings.	**Borderline** – *Centralized grease lines should be disconnected and the new grease pumped through.* Grease in bearing housing does not need be removed. Manual greasing can be done as normal without additional consideration. Expect 10% change in grease thickness until all old grease is worked through.	**Incompatible** – *All grease lines and bearings must be purged of the old grease before installing the new grease.* Some bearing designs have drain plugs which can be removed and the new grease pushed through until seen at the drain.

CHESTERTON Global Solutions, Local Service.

GREASES

613

Moly Grease

Long lasting, multi-purpose, extreme pressure grease; fortified with molybdenum disulfide to handle challenging applications ranging from -18°C to 138°C (0°F to 280°F).

Product Characteristics

- Speed Factor D_m 40°C – 100°C (104°F – 212°F) 100,000-400,000
- Corrosion inhibitors protect lubricated equipment
- Prolongs the life of parts and machinery
- Excellent mechanical stability
- Withstands shock and vibration at start-up and shutdown

Applications

- Conveyors
- Plain and anti-friction bearings
- Pumps
- Generators

Container Size	Reorder Number
613	
400 Gram	089409
18 Kilogram	089407

Physical Properties	
Consistency, NLGI (DIN 51 818)	2
Temperature Range	-18˚C to 138˚C (0˚F to 280˚F)
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.35 mm

615

HTG #1, #2, and #2-460

QBT™ High performance, corrosion inhibited grease with outstanding extreme pressure capabilities and excellent water washout resistance. The 615 HTG #2-460 is designed for use on slower moving heavily loaded bearings.

Product Characteristics

- Speed Factor D_m 40°C – 100°C (104°F – 212°F) 70,000 – 300,000
- Superior water resistance
- Compatible with most popular greases
- Exceptional shear resistance
- Outstanding extreme pressure and temperature characteristics
- HTG #1 is easily pumpable in automatic grease dispensing systems
- NSF® registered H2

Applications

- Pulp and paper mills
- Mining operations
- Transportation
- Coal and ore processing
- Metal fabrication
- Conveyors
- Grinding mills
- Crushers
- Bearings

Container Size	Reorder Number
615 HTG #1	
400 Gram	086935
18 Kilogram	086936
55 Kilogram	086007
180 Kilogram	080725
615 HTG #2	
400 Gram	080042
18 Kilogram	080043
55 Kilogram	080045
181 Kilogram	080728
615 HTG #2-460	
400 Gram	084204
18 Kilogram	084205
181 Kilogram	084190

Physical Properties 615 HTG#1	
Consistency, NLGI (DIN 51 818)	1
Temperature Range	-45˚C to 204˚C (-50˚F to 400˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	70
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.4 mm
Water Washout Resistance (ASTM D 1264)	<1.0%

Physical Properties 615 HTG#2 and #2-460	
Consistency, NLGI (DIN 51 818)	2
Temperature Range	-40˚C to 204˚C (-40˚F to 400˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	85
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.4 mm
Water Washout Resistance (ASTM D1264)	<0.05%

CHESTERTON Global Solutions, Local Service.

GREASES

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

- Speed Factor D_m 40°C – 100°C (104°F – 212°F) 50,000-300,000
- 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

Applications

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

Physical Properties	
Consistency, NLGI (DIN 51 818)	2
Temperature Range	-23˚C to 170˚C (-10˚F to 338˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	41
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.61 mm
Water Washout Resistance (ASTM D1264)	2.45%

Container Size	Reorder Number
622	
400 Gram	085312
900 Gram	085314
18 Kilogram	085304
55 Kilogram	085335

625

CXF

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

Product Characteristics

- Speed Factor D_m 40°C – 100°C (104°F – 212°F) 75,000-250,000
- Superior water washout resistance
- Excellent corrosion protection
- Compatible with most popular greases
- Anti-oxidants prevent hardening or crystallization
- Complies with sections 178.3570 and 177.1550 of FDA food additives regulations
- NSF registered H1

Applications

- Processing and packaging machines
- Bottling equipment
- Electric motors
- Fruit feeders
- Paste and sauce fillers
- Canning machinery
- Meat packaging equipment
- Carton filling equipment

Physical Properties	
Consistency, NLGI (DIN 51 818)	2
Temperature Range	-30˚C to 204˚C (-22˚F to 400˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	92
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.38 mm
Water Washout Resistance (ASTM D1264)	<0.05

Container Size	Reorder Number
625	
400 Gram	080707
18 Kilogram	080705
55 Kilogram	080706
180 Kilogram	080337

GREASES

629

High Temperature White Grease

High temperature, premium quality, pure mineral oil and PTFE fortified grease. Chesterton 629 offers excellent resistance to water, steam, caustics and other cleaning agents.

Product Characteristics

- Speed Factor D_m 40°C – 100°C (104°F – 212°F) 50,000-300,000
- Excellent water washout
- Virtually colorless, odorless, tasteless
- Complies with sections 178.3570 and 177.1550, of FDA food additives regulations
- NSF registered H1

Applications

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

Physical Properties	
Consistency, NLGI (DIN 51 818)	2
Temperature Range	-34˚C to 204˚C (-29 ˚F to 400˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	48.6/160
Water Washout Resistance (ASTM D1264)	0.1- 0.2%

Container Size	Reorder Number
629	
400 Gram	081127
18 Kilogram	081128
55 Kilogram	081187

630

SXCF

High performance, corrosion inhibited synthetic grease with outstanding extreme pressure capabilities and excellent water washout resistance. 630 offers superior high temperature stability and resistance to steam and cleaning chemicals.

Product Characteristics

- Speed Factor D_m 40°C – 100°C (104°F – 212°F) 150,000-800,000
- Superior water washout resistance
- Excellent corrosion protection
- Exceptional shear resistance
- Anti-oxidants prevent hardening or crystallization
- QBT™ Quiet Bearing Technology
- Complies with section 178.3570 of FDA food additives regulations
- NSF registered H1

Applications

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

Physical Properties	
Consistency, NLGI (DIN 51 818)	2
Temperature Range	-40˚C to 240˚C (-40˚F to 464˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	92
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.42 mm
Water Washout (ASTM D1264)	<0.05%

Container Size	Reorder Number
630	
Aerosol	088687
400 Gram	082713
18 Kilogram	082711
55 Kilogram	082714
180 Kilogram	082712

GREASES

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 D_m 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

Applications

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

Physical Properties	
Consistency, NLGI (DIN 51 818)	1
Temperature Range	-50˚C to 250˚C (-58˚F to 482˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	140
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.38 mm
Water Washout Resistance (ASTM D1264)	<2.0%

Container Size	Reorder Number
633	
400 Gram	088560
18 Kilogram	088563
55 Kilogram	088564

635

SXC

High performance synthetic, extreme pressure and corrosion resistant grease with superior high temperature stability. Exceptional grease for electric motors.

Product Characteristics

- Speed Factor D_m 40°C – 100°C (104°F – 212°F) 150,000-500,000
- Superior water washout resistance
- Excellent corrosion protection
- QBT™ Quiet Bearing Technology
- Exceptional anti-wear properties and weld load

Applications

- Pulp and paper mills
- Mining operations
- Steel mills
- Conveyors
- Grinding mills
- Heavy off road machines
- Fans/Blowers
- Bearings
- Electric Motors

Physical Properties	
Consistency, NLGI (DIN 51 818)	2
Temperature Range	-40˚C to 240˚C (-40˚F to 464˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	130
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.40 mm
Water Washout Resistance (ASTM D1264)	<0.05%

Container Size	Reorder Number
635	
400 Gram	088556
18 Kilogram	088557
55 Kilogram	088558
180 Kilogram	088559

OILS

Advanced Oil Technology Selection Guide

Industrial Grade Oil								
Name	**Base Oil**	**ISO VG (ASTM D2422)**	**Operating Temperature**	**Specific Gravity**	**Viscosity @ 40 C (cSt) (ASTM D445)**	**Viscosity @ 100 C (cSt) (ASTM D445)**	**Viscosity Index (ASTM D2270)**	**Pour Point (ASTM D97)**
601	Mineral	22	-23°C to 150°C (-10°F to 300°F)	0.90	22	4	58	-25°C (-13°F)
610 HT	Synthetic POE	460	-25°C to 270°C (-15°F to 520°F)	0.97	414-506	45-65	>250	-40°C (-40°F)
610 Plus	Synthetic POE	68	-25°C to 270°C (-15°F to 520°F)	0.99	61-75	9-11	130	-45°C (-49°F)
610 MT Plus	Synthetic POE	220	-25°C to 270°C (-15°F to 520°F)	0.98	220	22	130	-25°C (-13°F)
651	Mineral	22	-23°C to 150°C (-10°F to 300°F)	0.90	22	4	58	-29°C (-20°F)
652	Mineral	22	-23°C to 150°C (-10°F to 300°F)	0.90	22	4	58	-25°C (-13°F)
Food Grade Oil								
Name	**Base Oil**	**ISO VG (ASTM D2422)**	**Operating Temperature**	**Specific Gravity**	**Viscosity @ 40 C (cSt) (ASTM D445)**	**Viscosity @ 100 C (cSt) (ASTM D445)**	**Viscosity Index (ASTM D2270)**	**Pour Point (ASTM D97)**
662 FG	Mineral	22	-9°C to 120°C (16°F to 248°F)	0.88	22	<4	58	-40°C (-40°F)
690 FG	Mineral	22	-9°C to 120°C (16°F to 248°F)	0.88	22	<4	58	-40°C (-40°F)

610 Plus, 610 MT Plus, 610 HT

Synthetic Lubricating Fluid

Highest quality, 100% synthetic lubricant providing exceptional wear capabilities to minimize equipment maintenance and downtime.

Product Characteristics

- Excellent solvency
- Non-carbonizing
- Corrosion protection
- 610 MT Plus and 610 HT higher viscosities, reducing dripping, recommended for chains operating continuously over 180˚C (356˚F)
- NSF registered H2

Applications

- Oven chains
- Roller and anti-friction bearings
- Gearboxes
- Conveyors
- Drying ovens
- Electric motors
- Textile tenter frames

Physical Properties 610 Plus	
ISO VG (ASTM D445)	68
Temperature Range	-25˚C to 270˚C (-15˚F to 520˚F)
Flash Point	310˚C (590˚F)
Physical Properties 610 MT Plus	
ISO VG (ASTM D2422, DIN 51 519)	220
Temperature Range	-25˚C to 270˚C (-15˚F to 520˚F)
Flash Point	>290˚C (>554˚F)
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.39 mm
Physical Properties 610 HT	
ISO VG (ASTM D2422, DIN 51 519)	460
Temperature Range	-25˚C to 270˚C (-15˚F to 520˚F)
Flash Point, C.O.C. (ASTM D92, ISO 2592)	282˚C (540˚F)
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.39 mm

Container Size	Reorder Number
610 Plus	
Aerosol	089411
1 Gallon/ 3.8 Liters	084296
20 Liter	084297
208 Liter	084295
610 MT Plus	
20 Liter	082852
208 Liter	082853
610 HT	
1 Gallon/ 3.8 Liters	083765
20 Liter	080418
208 Liter	080419

OILS

601

Chain Drive Pin and Bushing Lubricant

Premium quality, light oil lubricant that penetrates between the close clearance of chain drive bushings and pins to provide critical lubrication. The lubricant of choice in the industry for over 30 years.

Product Characteristics

- Rapid penetration
- Pressure additives increase load carrying ability at start-up stresses
- No dirt and dust build up in chains
- No sticky lubricant residues
- Corrosion inhibiting properties
- Extends chain life 2 to 4 times
- Reduces friction
- NSF registered H2

Applications

- Chain drives for assembly lines
- Conveyors
- Packaging equipment
- Hoist chains
- Link and roller assemblies
- Forklift trucks
- Tractors
- Machinery
- Chain saws
- Robotic equipment lubricant

Physical Properties	
ISO VG (ASTM D2422, DIN 51 519)	22
Temperature Range	-23˚C to 150˚C (-10˚F to 300˚F)
Flash Point (ASTM D93, DIN 51 755)	127˚C (260˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	1568N, 160 kg
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.5 mm
Falex Pin and Vee Block Method (ASTM D3233) Weld Load Coefficient of Friction	 7367 N, 750 kg 0.06

Container Size	Reorder Number
601	
Aerosol	081902
1 Gallon/ 3.8 Liters	081904
20 Liter	081910
208 Liter	081907

651

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
- Penetrates close tolerances
- Ideal for high speed industrial bearings
- Reduces maintenance and replacement parts cost
- Displaces water
- Reduces friction
- NSF registered H2

Applications

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

Physical Properties	
ISO VG (ASTM D2422, DIN 51 519)	22
Temperature Range	-23˚C to 150˚C (-10˚F to 300˚F)
Flash Point (ASTM D93, DIN 51 755)	127˚C (260˚F)
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.43 mm
Falex Pin and Vee Block Method (ASTM D3233) Weld Load Coefficient of Friction	 7367 N, 750 kg 0.06

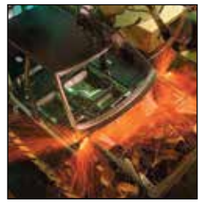
Container Size	Reorder Number
651	
Aerosol	081102
20 Liter	081111
208 Liter	081107

OILS

652

Pneumatic Lubricant and Conditioner

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



Product Characteristics

- Will not cause sludge build up
- Conditioners inhibits seals and O-Rings from drying out
- Significantly reduces power consumption
- Cleans rust, sludge, and dirt from all air tools as it lubricates
- Reduces friction
- Displaces water
- NSF registered H2

Applications

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

Physical Properties	
ISO VG (ASTM D2422, DIN 51 519)	22
Temperature Range	-23˚C to 150˚C (-10˚F to 300˚F)
Flash Point (ASTM D93, DIN 51 755)	127˚C (260˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	1568 N, 160 kg
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.5 mm
Falex Pin and Vee Block Method (ASTM D3233) Weld Load Coefficient of Friction	 7367 N, 750 kg 0.06

Container Size	Reorder Number
652	
475 Milliliter	086888
20 Liter	086000
208 Liter	083018

660

Silicone Lubricant

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

Product Characteristics

- Complies with sections 178.3570, 181.28 and 178.3910 of FDA food additives regulations
- Makes surfaces water-resistant
- Non-staining, fire-resistant, non-toxic
- Penetrates fine tolerances
- Long-lasting lubricant for plastics, rubber, and metal
- Reduces friction
- Displaces water
- NSF registered H1

Applications

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

Physical Properties	
Viscosity	500 cSt
Temperature Range	-40˚C to 205˚C (-40˚F to 400˚F)

Container Size	Reorder Number
660	
Aerosol	081502
1 Gallon/ 3.8 Liters	081504
20 Liter	081519
208 Liter	081506

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

Applications

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

Physical Properties	
ISO VG (ASTM D2422, DIN 51 519)	22
Thermal Conductivity, W/M-K (BTU/ft-hr-F) 10˚C (50˚F) 260˚C (500˚F)	 0.133 (0.078) 0.115 (0.068)
Flash Point (ASTM D92)	171˚C (340˚F)

Container Size	Reorder Number
662 FG	
20 Liter	081088
208 Liter	081089

690 FG

Lubricant

High quality, multi-purpose penetrating lubricant used throughout food and beverage facilities to prolong the life of machinery and parts while reducing costs.

Product Characteristics

- Clear, colorless, odorless
- Complies with section CFR 178.3620 and 178.3570 of FDA food additives regulations
- Safe and easy to use in bulk or aerosol
- Excellent capillary action
- NSF registered H1

Applications

- Bottle, canning, and carton filling machines
- Paste and sauce filler
- Fruit feeders
- Bakery equipment
- Mixers
- Metering pumps
- Chain drives
- Piston and valves
- Rollers

Physical Properties	
ISO VG (ASTM D2422, DIN 51 519)	22
Temperature Range	-9˚C to 120˚C (16˚F to 248˚F)
Flash Point (ASTM D92, ISO 2592)	171˚C (340˚F)
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	1236N, 126 kg (277 lbs)
Four Ball Wear Test (ASTM D2266, DIN 51 350/5) Scar Diameter	0.44 mm
Falex Pin and Vee Block Method (ASTM D3233) Weld Load Coefficient of Friction	 5573 N, 568 kg 0.08

Container Size	Reorder Number
690 FG	
Aerosol	082706
1 Gallon/ 3.8 Liters	082703
20 Liter	082710
208 Liter	082705

OILS

715 and 715 Gold

Spraflex®, Spraflex® Gold

A surface lubricant for chain drives, open gears, and wire rope providing long lasting, non-extruding film which protects and lubricants equipment operating under heavy loads.

Product Characteristics

- Non-drip
- Self adhering, flexible lubricant
- Water resistant
- Resistant to acid fumes
- Guards against rust and corrosion
- Resists extrusion
- Use 715 Spraflex Gold where a clean, non-staining film is needed
- NSF registered H2

Applications

- Chain drives
- Open gears
- Hoists
- Wire ropes and cables
- Debarking drums
- Drag lines
- Rotary kilns/dryers
- Rotary feeders
- Conveyor chains

Physical Properties 715	
Color	Black
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	0.44
Viscosity @ 25˚C (77˚F)	160 cps
Physical Properties 715 Gold	
Color	Amber
Four Ball Weld Test (ASTM D2596, DIN 51 350/4) Load Wear Index	0.44
Viscosity @ 25˚C (77˚F)	30,000 cps

Container Size	Reorder Number
715	
Aerosol	081702
20 Liter	081709
208 Liter	081707
715 Gold	
Aerosol	082015
1 Gallon/ 3.8 Liter	081896
20 Liter	081897
208 Liter	081898

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

Applications

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

Physical Properties	
Average Particle Size	4 to 7 microns
Temperature Range	Up to 1100˚C (2000˚F)
Coefficient of Friction "K" Factor Method Skidmore-Wilhelm Method	0.20
Extreme Pressure Capability (ASTM D2596, DIN 51 350)	8195 kg/cm^2

Container Size	Reorder Number
710	
500 Gram Brush Top	082309

ANTI-SEIZES

725

Nickel Anti-Seize Compound

A high performance, nickel based anti-seize. Combines the extreme pressure, corrosion-resistant, anti-seize ability of colloidal nickel in an oil suspension that can withstand temperatures up to 1425˚C (2600˚F).

Product Characteristics

- Water resistant; ultra fine particles
- Eases mechanical assembly and disassembly
- Guards against galling and corrosion
- Protects against self-welding
- Withstands extreme pressure
- Meets MIL-A-907F
- NSF registered H2

Applications

- Bolts
- Flanges
- Press fits
- Valve stems
- Pump sleeves
- Screws
- Bushings
- Gaskets

Physical Properties	
Average Particle Size	4 to 7 microns
Temperature Range	Up to 1425˚C (2600˚F)
Coefficient of Friction "K" Factor Method Skidmore-Wilhelm Method	0.18

Container Size	Reorder Number
725	
Aerosol	082351
250 Gram Brush Top	081266
500 Gram Brush Top	082359
20 Liter	082349

772

Premium Nickel Anti-Seize Compound

High performance, premium quality, nickel based anti-seize formulated specifically for the power industry. Conforms with specifications restricting the levels of halogens, sulfur, and low melting point metals.

Product Characteristics

- Water resistant; ultra fine particles
- Eases mechanical assembly and disassembly
- Guards against galling and corrosion protects against self-welding
- Withstands extreme pressure
- Meets MIL-A-907F
- Applicable where copper use is prohibited
- Conforms to GE D5Y0P12

Applications

- Bolts
- Studs
- Flanges
- Press fits
- Valve stems
- Pump sleeves
- Turbines
- Gaskets

Physical Properties	
Average Particle Size	4 to 7 microns
Temperature Range	Up to 1425˚C (2600˚F)
Coefficient of Friction "K" Factor Skidmore-Wilhelm Method	0.16

Container Size	Reorder Number
772	
500 Gram Brush Top	082381

ANTI-SEIZES

783

ACR

The newest generation of anti-seize compound in the industry, combines high performance with extreme corrosion protection and water washout resistance. Ideal product use is where the primary cause of bolt seizure is caused by corrosion. 783 ACR protects assembled parts against corrosion and creates a barrier from moisture, steam, salt water, and other corrosive chemicals, all while maintaining a balanced coefficient of friction ("K" factor).

Product Characteristics

- Provides excellent protection of metal components under extreme conditions
- Extreme corrosion protection and water washout resistance
- Eases disassembly up to 900˚C (1652˚F)
- No toxic heavy metals
- Safer than traditional metallic based anti-seizes
- Ideal in applications near/around water

Applications

- Bolts
- Fasteners
- Studs
- Pipe threads
- Press fits
- Pump sleeves
- Shaft bushings

Physical Properties	
Average Particle Size	4 to 7 microns
Temperature Range	-34˚C to 900˚C (-29˚F to 1650˚F)
Coefficient of Friction "K" Factor Method Skidmore-Wilhelm Method	0.16
Extreme Pressure (ASTM D2596, DIN 51 350)	8982 kg/cm² (126,983 psi)
Water Washout (ASTM D1264) 79˚C (175˚F)	<0.13%
Corrosion Resistance (ASTM B117) 5% NaCl	>1200 hrs. @ 100 microns
Four Ball Weld Test (ASTM D2596 DIN 51 350/4) Load Wear Index	>800 kg

Container Size	Reorder Number
783	
250 Gram Brush Top	082805
500 Gram Brush Top	088653
20 Liter Pail	088654

785

Parting Lubricant

A highly recommended anti-seize compound in the industry, available in standard and food grade formulations. Product contains no toxic heavy metals and can be used under extreme conditions of temperature and pressure to assist in the assembly and disassembly of threaded parts.

Product Characteristics

- No toxic heavy metals
- For extreme pressure – up to 4730 kg/cm² (67,570 psi)
- Ultra-fine particles
- Water and chemical resistant
- NSF registered H2

Applications

- Bolts
- Fasteners
- Studs
- Pipe threads
- Press fits
- Pump sleeves
- Shaft bushings

Physical Properties 785	
Average Particle Size	4 to 7 microns
Temperature Range	-34˚C to 1204˚C (-29˚F to 2200˚F)
Coefficient of Friction "K" Factor Method Skidmore-Wilhelm Method	0.17
Extreme Pressure (ASTM D2596, DIN 51 350)	4730 kg/cm² (67,570 psi)

Container Size	Reorder Number
785	
Aerosol	081664
200 Gram Tube	086907
250 Gram Brush Top	082016
500 Gram Brush Top	080747
24 Kilogram	080748

ANTI-SEIZES

785 FG

Parting Lubricant

Food grade version of 785 Parting Lubricant. Product contains no toxic heavy metals and can be used under extreme conditions of temperature and pressure to assist in the assembly and disassembly of threaded parts.

Product Characteristics

- Contains no toxic heavy metals
- Non-staining, white color
- Water and chemical resistant
- Conforms to FDA 21 CFR 178.3570
- Suitable for stainless and ferrous metals
- NSF registered H1

Applications

- Bottle filling equipment
- Canning/filling machinery
- Meat packing equipment
- Bakery equipment

Physical Properties	
Color	White
Average Particle Size	4 to 7 microns
Temperature Range	-34˚C to 1204˚C (-29˚F to 2200˚F)
Coefficient of Friction "K" Factor Method Skidmore-Wilhelm Method	0.17
Extreme Pressure (ASTM D2596, DIN 51 350)	4730 kg/cm² (67,570 psi)

Container Size	Reorder Number
785 FG	
200 Gram Tube	088506
500 Gram Brush Top	080788

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

- Pure non-carbonizing, Synthetic Base
- Contains no toxic heavy metals
- NSF registered H2

Applications

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

Physical Properties	
Average Particle Size	4 to 7 microns
Temperature Range	to 538˚C (1000˚F)
Coefficient of Friction "K" Factor Method Skidmore-Wilhelm Method	0.16
Extreme Pressure (ASTM D2596, DIN 51 350)	10687 kg/cm² (152,000 psi)
Water Washout (ASTM D1264)	5.08

Container Size	Reorder Number
787	
500 Gram Brush Top	086803
1 Gallon/ 3.8 Liters	086805
20 Liter	086806

Cleaners and Degreasers Product Selection Guide

WATER-BASED CLEANERS		Alkali Cleans Petroleum Oil, Greases, Natural Oils, Dirt and Dust; Biodegradable				Acid Cleans Rust, Hard Water Scale; Biodegradable	
		235 SSC	360 Phosphate-Free Cleaner	803 IMS II	KPC 820 and 820N	338 Super Rust Remover	346 Descaler and Chemical Cleaner
Soil/Deposit	Heavy Oil, Adhesives, Glues			✓+			
	Grease, Petroleum Oil, Dirt	✓		✓+	✓+		
	Natural Oils—Animal Fat, Vegetable Oil	✓	✓+	✓			
	Scale, Hard Water Deposits						✓+
	Rust and Oxidation					✓+	✓
Application — Parts Degreasing Shop	Manual Brush or Wipe		✓	✓+	✓+		
	Parts Degreasing Station			✓	✓		
	Dip Tank			✓	✓		
	Steam Cleaning	✓+		✓			
	Pre-Cleaning Parts/Machinery	✓		✓	✓		
Application — Parts Degreasing	Agitated Tank				✓		
	Dip Tank			✓	✓		
	Pressure Washing	✓					
	Ultrasonic				✓		
	Spray Booth/Spray Tunnel						
Application — Machinery/Plant Cleaning	Closed Circulation, Pipeline	✓			✓		
	Tanks and Vessels	✓		✓			
	Food Processing Equipment	✓	✓+				
	Building Structures, Floors, and Walls	✓		✓	✓		
	Floor Scrubbers				✓		
	Coolers, Condensers, Heat Exchangers					✓	✓
	Electrical Motors—Non-Energized	✓		✓	✓		

SOLVENT-BASED CLEANERS		274 Industrial Degreaser	292 Precision Degreasing Solvent	294 CSD
Surface	Paint and Plastic Safe	✓		
Tough Soil	Heavy Oil, Adhesives		✓	✓
Equipment and Method	Dip Tank	✓		
	Ultrasonic	✓	✓	
	Manual Brush or Wipe	✓		✓
	Closed Circulation, Pipeline			
General Purpose and Applications	Tanks and Vessels			
	Food Processing Equipment	✓	✓	
	Molds, Patterns, Presses			
	Vehicles and Transportation		✓	✓
	Steel Structures, I Beams		✓	
	QC and Inspection		✓	✓
	Textiles		✓	
	Parts Preparation Cleaning	✓	✓	

ELECTRICAL CLEANERS		273 Electric Motor Cleaner	279 PCS	296 Electro Contact Cleaner	276 Electronic Component Cleaner
Surface	Paint and Plastic Safe		✓	✓	✓
	Sensitive Metal Safe	✓	✓	✓	✓
Soil	Heavy Oil, Adhesives, Glues	✓			
	Grease, Petroleum Oil, Dirt	✓	✓	✓	✓
Cleaning Purpose	Electrical Motors—Energized	✓	✓	✓	
	Electrical Motors—Non-Energized		✓	✓	✓
	Electrical Components—Energized		✓	✓	
	Electrical Components—Non-Energized		✓	✓	✓

✓+ = Excellent ✓ = Good

ALKALI-BASED

235

SSC

Chesterton 235 SSC is a concentrated high alkaline aqueous degreaser formulated with grease cutting agents and emulsifiers that penetrate and lift soils making it easier to rinse them away.

Product Characteristics

- Non-flammable
- Biodegradable
- Removes grease and oil
- Mixes instantly
- Completely soluble
- NSF registered A4

Applications

- Concrete
- Drilling rigs
- Engine blocks
- Railroad equipment
- Construction equipment
- Papermaking machinery
- Wastewater
- Pump stations

Physical Properties	
Color	Yellow
pH (concentrated)	13.6
Flash Point	None
Solubility in Water	Complete

Container Size	Reorder Number
235	
20 Liter	080032
208 Liter	080033

360

*Phosphate-Free Cleaner**

Powerful industrial strength cleaner for environmentally sensitive area. Highly effective for the food industry on animal fats and vegetable oils.

Product Characteristics

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

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

Physical Properties	
Color	Blue
pH (concentrated)	13.1
Flash Point	None
Solubility in Water	Complete

Container Size	Reorder Number
360	
20 Liter	083603
208 Liter	083607
1000 Liter Tote	086562

***Do not use on aluminum**

ALKALI-BASED

803

*Industrial & Marine Solvent II**

Powerful, industrial strength non-solvent based cleaner. Its advanced surfactant technology offers maximum degreasing power and soil removal, even in applications that call for solvent use. An environmentally friendly alternative to solvent cleaners and degreasers that is compatible with pressure washers and steam cleaners.

Product Characteristics

- Concentrated
- Highly dilutable
- No irritating fumes
- Compatible with pressure washer and steam cleaners
- NSF registered A1

Applications

- Pulp and paper industry cleaning production equipment
- Chemical/oil processing production facilities
- Food industry concrete floors, masonry, walls, engine blocks
- Railroad equipment, and construction equipment

Physical Properties	
Color	Red
pH (Concentrated)	13.5
Flash Point	None
Solubility in Water	Complete

Container Size	Reorder Number
803	
1 Gallon/ 3.8 Liter	086774
20 Liter	090379
208 Liter	090388
1000 Liter Tote	086768

***Should not be used on aluminum or metals sensitive to high alkalinity.**

820 and 820N

KPC

Balance powerful performance with environmental compliance and worker safety; The ideal choice for process degreasing.

Product Characteristics

- Highly dilutable
- Safe on most metals
- No irritating fumes
- Compatible with pressure washer and steam cleaners
- NSF registered A1

Applications

- Machine shop/maintenance
- Marine
- Pulp & paper
- Railroad equipment
- Chemical/oil processing
- Drilling rigs

Physical Properties 820	
Color	Green
pH (Concentrated)	9.9
Flash Point	None
Solubility in Water	Complete

Physical Properties 820N	
Color	Green
pH (Concentrated)	9.9
Flash Point	None
Solubility in Water	Complete

Container Size	Reorder Number
820	
20 Liter	082260
208 Liter	082264
1000 Liter Tote	083555
820N *	
20 Liter	088584
208 Liter	088585
1000 Liter Tote	088586

***USA Formulation**

ACID-BASED

338

Super Rust Remover

Superior, acid-based cleaner for rust removal and conditioning of all types of metal equipment. After rust and corrosion is removed from equipment, a fine film layer remains to prevent further flash rusting.

Product Characteristics

- Can be used on all metals
- Removes metal oxide layer
- Brightens non-ferrous metals
- Leaves metal paint-ready
- Inhibited to protect base metals
- Rinses clean with water
- Short term corrosion protection coating

Applications

- Machine tool frames
- Machined parts
- Restores rusted inventory
- Nuts/Bolts
- Threaded assemblies
- Internal corrosion
- Shafts
- Cast housings

Physical Properties	
Color	Clear
pH (Concentrated)	<1
Flash Point	None
Solubility in Water	Complete

Container Size	Reorder Number
338	
20 Liter	085904
208 Liter	085907

346

*Descaler and Chemical Cleaner**

Concentrated multi-use, acid-based cleaner for removing inorganic soils and coatings such as hard water deposits. Also able to effectively etch concrete, mineral scales, and metal oxides.

Product Characteristics

- Biodegradable
- Dissolves rust and scale while protecting base surface
- Inhibits attack on metals
- NSF registered A3

Applications

- Steam boiler tubes
- Condenser water systems
- Water circulating equipment
- Concrete etching
- Stained concrete cleaning
- Mineral scale removal

Physical Properties	
Color	Light Amber
pH (Concentrated)	0.5
Flash Point	None
Solubility in Water	Complete

Container Size	Reorder Number
346	
20 Liter	088403
208 Liter	088407

***Not for use on aluminum, painted enamel, stainless steel, or decorative metals.**

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
- Fast penetration; high solvency
- NSF registered K2

Applications

- Cleans electrical equipment
- Electric motors
- Fuse holders
- Blowers
- Fans
- Hoists
- Switches
- Transformers
- Cables

Physical Properties	
Color	Clear
Flash Point	None
Solubility in Water	Negligible
Kb Value	90

Container Size	Reorder Number
273	
Aerosol	080502
20 Liter	080514
208 Liter	080517

274

Industrial Degreaser

An industrial strength, hard surface degreaser which will dissolve grease, oil, tar and other similar water insoluble soils found in industrial and marine environments. Product can be applied by spray, brush, or dipping and does not contain any ozone depleting substances.

Product Characteristics

- Low odor
- Does not attack most paints and plastics
- Safe for use on all metals
- No chlorinated solvents
- NSF registered C1, K1, K2

Applications

- Production operations
- Paint shops
- Maintenance departments
- Boiler rooms
- Repair shops
- Shipyards
- Parts washers

Physical Properties	
Color	Clear
Flash Point, Tag Closed Cup (ASTM D56)	62˚C (143˚F)
Evaporation Rate at 25˚C (77˚F) n-Butyl Acetate=1	151 (approximate)
Solubility in Water	Insoluble
Dielectric Strength (ASTM D877)	50 Kv
Kb Value	32

Container Size	Reorder Number
274	
Aerosol	081676
20 Liter	081006
208 Liter	081013

SOLVENT-BASED

276

Electronic Component Cleaner

Fast evaporation, industrial strength solvent based cleaner/degreaser containing no ozone depleting solvents. Product is compatible with most surfaces; to remove dust, dirt, oil, and other soils.

Product Characteristics

- Fast evaporation rate
- Safe for use on all metals
- Safe on plastics
- Low residue
- NSF registered K2

Applications

- Switches
- Controllers
- Panel meters
- Circuit boards
- Contacts
- Levers
- Control panels
- Non-energized electrical equipment

Physical Properties	
Color	Clear
Flash Point (ASTM D93-85)	-6˚C (21˚F)
Solubility in Water	Negligible
Evaporation Rate at 25°C, n-Butyl Acetate = 1	5 (approximate)
Dielectric Strength (ASTM D877)	≤ 35 Kv
Kb Value	30

Container Size	Reorder Number
276	
Aerosol	081622
20 Liter	081623
208 Liter	081624

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

Applications

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

Physical Properties	
Color	Clear
Flash Point	None
Solubility in Water	<20
Kb Value	12

Container Size	Reorder Number
279	
Aerosol	083434

SOLVENT-BASED

292

Precision Degreasing Solvent

Fast evaporating, low odor, solvent based cleaner to clean and flush away oily and greasy sludge, grit, and grime in a single application. Ideal to use before assembly or disassembly to clean equipment prior to maintenance or repair.

Product Characteristics

- Safe for all metals and most plastics
- Fast evaporation rate
- Contains no ozone depleting substances
- Low residue
- NSF registered K1, K2, K3

Applications

- Bearings, pumps, motors
- Pulleys
- Valves and fittings
- Chains and Cables
- Electro-mechanical assemblies
- Fans, blowers
- Slideways

Physical Properties	
Color	Clear
Flash Point, Tag Closed Cup ASTM D56, DIN 51 755	41°C (105°F)
Solubility in Water	Negligible
Kb Value	50

Container Size	Reorder Number
292	
Aerosol	080529

294

CSD

A general purpose, fast acting, industrial degreaser for critical equipment used to reduce maintenance operations costs associated with downtime. Ideal product use is to remove petroleum residues, adhesives, polymers, and resins. Product should not be used on energized equipment.

Product Characteristics

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

Applications

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

Physical Properties	
Color	Clear/White
Flash Point (ASTM D93, DIN 51 755)	<-18°C (<-4°F)
Evaporation Rate at 25°C, n-Butyl Acetate = 1	5
Solubility in Water	None

Container Size	Reorder Number
294	
Aerosol	080783

SOLVENT-BASED

296

*Electro Contact Cleaner**

Environmentally friendly contact cleaner for non-energized electrical and electronic contacts and assemblies. 296 Electro Contact Cleaner is safe on most materials, including plastics and rubber, to quickly remove light oils and particulates from assemblies.

Product Characteristics

- Fast evaporation
- Low residue
- No ozone depleting potential
- Safe for plastic
- Safer to use than petroleum based products
- No rinsing required
- Safe on most materials
- NSF registered K2

Applications

- Switches
- Controllers
- Panel meters
- Circuit boards
- Contacts
- Levers

Physical Properties	
Color	Clear
Flash Point, Closed Cup (ASTM D93-85)	None
Solubility in Water	Slightly Soluble
Odor	Negligible
Kb Value	14

Container Size	Reorder Number
296	
Aerosol	088650

Product is not available in Europe, Middle East, or Africa

SPECIALTY PRODUCTS

706

Rustsolvo®

Fast acting, safe and effective 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
- Extremely low surface tension
- No compromise—best penetration
- Low odor
- Creeps into microscopic spaces
- NSF registered H2

Applications

- Steam and gas fittings
- Valves and pumps
- Drilling utilities
- Heat exchangers
- Use anywhere rust, tar, grease and dirt deposits on nuts and bolts prevent easy removal

Physical Properties	
Color	Blue
Specific Gravity	0.83
Flash Point	49°C (120°F)

Container Size	Reorder Number
706 *	
1 Liter	081310
20 Liter	081312
208 Liter	081307

***Bulk only, for aerosol, use 723 Sprasolvo®.**

723 and 723 FG

Sprasolvo™

Fast acting, penetrating oil gives the best penetration in hard to reach areas where rust, tar, grease, and dirt may prevent easy removal of nuts, bolts, and fittings.

Product Characteristics

- Creeps into microscopic spaces
- Singular function, pinpoint spray
- Safe on plastic and painted surfaces
- Extremely low surface tension
- Contains no acids or chlorinated solvents
- NSF registered H2, H1

Applications

- Pipelines
- Steam and gas fittings
- Machinery
- Valves
- Pumps
- Use anywhere rust, tar, grease, and dirt deposits on nuts and bolts prevent easy removal
- Heat exchangers

Physical Properties	723	723 FG
Color	Blue	Clear
Specific Gravity	0.83	0.83
Flash Point	49°C (120°F)	62°C (144°F)

Container Size	Reorder Number
723 *	
Aerosol	081308
723 FG	
Aerosol	083770

***Aerosol only, for bulk sizes see 706 Rustsolvo®.**

SPECIALTY PRODUCTS

730

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

Applications

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

Physical Properties	
Color	Clear
Specific Gravity at 25°C (77˚F)	0.8
Density	0.80 kg/l
Solubility in water	Negligible

Container Size	Reorder Number
730	
Aerosol	080308

800

GoldEnd® Tape

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

Product Characteristics

- High density
- Requires fewer wraps
- UL listed
- NSF registered H1, P1

Applications

- Seals all plumbing and most industrial piping threads
- Gas lines
- Hydraulics, pneumatics

Physical Properties	
Color	Light Yellow
Temperature Range	-240°C to 260°C (-400°F to 500°F)
Pressure Testing: Liquid Oxygen Gaseous Media (Nitrogen) Fluids (Oils)	 300 Bar, 305 kg/cm² (4350 psi) 172 Bar, 176 kg/cm² (2503 psi) 690 Bar, 703 kg/cm² (10,000 psi)

Container Size	Reorder Number
800	
6,4 mm x 13,72 M (1/4"x 540")	000805
12,7 mm x 4,57 M (1/2"x 180")	000801
12,7 mm x 13,72 M (1/2"x 540")	000802
12,7 mm x 32,92 M (1/2"x 1296")	000803
19,1 mm x 13,72 M (3/4"x 540")	000804
25,4 mm x 13,72 M (1"x 540")	000806

SPECIALTY PRODUCTS

860

Moldable Polymer Gasketing

Two-part, flexible gasketing material which fills in surface irregularities, stops leaks, and never sticks to surfaces after curing.

Product Characteristics

- Won't harden in tip
- Excellent resistance to oils, water, chemicals, and solvents
- Never sticks to surfaces; removes as one piece
- Conforms to FDA standard 21CFR 175.300 and 177.2600
- NSF registered P1

Applications

- For sealing complex mechanical assemblies
- Gear boxes
- Inspection covers
- Transmissions
- Bearing housings
- Fittings including thread fittings
- Turbine Casings
- Electrical boxes

Physical Properties	
Cure Time* at 25°C (77°F)	Gel time 3-4 hours (Full cure 24 hours)
Coverage per 400 grams 3 mm (1/8") bead 6 mm (1/4") bead	 3289 linear cm (108 linear feet) 822 linear cm (27 linear feet)
Temperature Limit (Continuous) (Intermittent)	-51°C to +260°C (-60°F to +500°F) to +320°C (600°F)

*After application of curing agent. Cures faster at higher temperatures

Container Size	Reorder Number
860	
Kit	086310
Toolbox kit	084883

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
- Non-Corrosive and non-toxic
- Safe for PVC, CPVC, plastic pipe fittings
- NSF registered H2, P1

Applications

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

Physical Properties	
Color	Golden Yellow
Maximum Use Temperature: As a Lubricant and Sealant As an Anti-Seize Compound	 260°C (500°F) 149°C (300°F)
Maximum Pressure Range	352 kg/cm² (5000 psi) for hydraulic fluids, 7 kg/cm² (100 psi) for gases

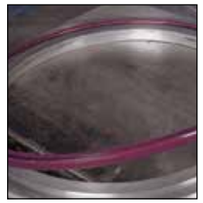
Container Size	Reorder Number
900	
200 Gram Tube	000908
500 Gram Brush Top	000909
20 Liter	000936

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

Applications

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

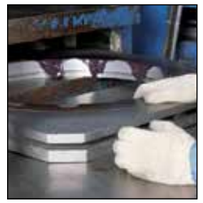
Physical Properties	
Form	Liquid
Color	White
Appearance	Thin Film

Container Size	Reorder Number
989	
20 Liter	081693

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

Applications

- Molds
- Thermosets – thermoplastics
- Castings
- Sand core operations

Physical Properties	
Form	Liquid
Color	Clear, Colorless
Appearance	Thin Film

Container Size	Reorder Number
995	
Aerosol	081675
20 Liter	081779
208 Liter	081860

SPECIALTY PRODUCTS

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

Applications

- 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

Physical Properties	
Form	Solid Interwoven PTFE
Color	White
Temperature Range	-240˚C to 260˚C (-400˚F to 500˚F)

Container Size	Reorder Number
3500	
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')	003574
7,1 mm x 2,7 M (9/32" x 9')	003578

CORROSION PROTECTION

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

Applications

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

Physical Properties	
Coverage 350 g can (12 oz. aerosol @ 0.013 mm (0.5 mil) thickness	2.3 m^2 (25 ft^2) per

Container Size	Reorder Number
421	
Aerosol	084901

CORROSION PROTECTION

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

Applications

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

Physical Properties	
Appearance	Dry, white powder in clear film
Operating Temperature Limit	Up to 121˚C (250˚F)

Container Size	Reorder Number
438	
Aerosol	082808

740

Heavy Duty Rust Guard

Premium quality, corrosion preventive coating designed for heavy-duty metal protection for all areas constantly exposed to humidity and corrosive fumes with minimal surface preparation. 740 Heavy Duty Rust Guard is long-lasting, up to two years indoors and sheltered outdoors.

Product Characteristics

- Self-healing if scratched
- Easy to apply; easy to remove
- Flexible, waxy film
- Does not flake or peel
- Conforms to MIL-C-16173D, Grade 1 and 4

Applications

- Protects iron and steel from rusting
- Machinery tubing
- Metal
- Tools
- Fixtures
- Parts-in-process
- Equipment tanks
- Structures
- Castings
- Rod
- Sheet stock
- Fixtures
- Bar
- Stampings
- Roofs

Physical Properties	
Color	Transparent Brown
Application Temperature Range	10˚ to 43˚C (50˚ to 110˚F)
Service Temperature Range	-40˚ to 79˚C (-40˚ to 175˚F)
Corrosion Resistance ASTM B117 5% Salt Fog, 38˚C (100˚F)	2000 hours

Container Size	Reorder Number
740	
Aerosol	087702
1 Gallon/ 3.8 Liters	087705
20 Liter	087704
208 Liter	087707

CORROSION PROTECTION

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

Applications

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

Physical Properties	
Zinc Content (Dried Film)	95%
Coverage (at 2-3 mil) (0,05 - 0,08 mm) (270-400 sq ft/gal)	6.6 - 9.8 m^2/l
Maximum Service Temperature	Up to 149˚C (300˚F)
Dry Time at 21˚C (70˚F) Recoat: 8 hours	Touch: 15 minutes
Temperature Range	10˚C to 38˚C (50˚F to 100˚F)

Container Size	Reorder Number
752	
Aerosol	082601
2,7 Kilogram	082603

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

Applications

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

Physical Properties	
Appearance	Transparent, Brown
pH	1.2
Coverage (typical)	19.6 m^2/l (800 ft^2/gal)
Minimum application conditions	10˚C (50˚F) and 50% relative humidity

Container Size	Reorder Number
763	
1 Gallon/ 3.8 Liters	089417
20 Liter	089418
208 Liter	089419

CORROSION PROTECTION

775

Moisture Shield

A clear moisture displacing and protective film coating that protects metal parts and equipment from corrosion for months. It is highly effective in humid conditions as the product prevents flash rusting during storage and transit.

Product Characteristics

- Conforms to MIL-C-16173D corrosion preventative, Grade 3
- Excellent corrosion protection
- Penetrates fine tolerances
- NSF registered H2

Applications

- Parts in process
- Parts in transit
- Parts in storage
- Electrical systems
- Marine industry
- Dries out wet electrical parts

Physical Properties	
Dry Time @ 21˚C (70˚F)	3 hours
Corrosion Protection: 100% Humidity, 38˚C (100˚F) 20% Salt Spray, 35˚C (95˚F) (ASTM B117, DIN 50 021)	 30 days (minimum) 50 hours (minimum)
Application Temperature Range	10 to 43˚C (50˚ to 110˚F)
Service Temperature Range	-29 to 66˚C (-20 to 150˚F)

Container Size	Reorder Number
775	
Aerosol	082102
20 Liter	082110
208 Liter	082107

METALWORKING FLUIDS

380

Machinery Coolant

High performance, full synthetic, biodegradable, water soluble machine coolant resistant to microbial attack. Excellent lubricity and cooling for a variety of machining operations to extend tool life.

Product Characteristics

- Concentrated, water dilutable
- High detergency
- Stable in hard water
- Easily removed with water; no solvents necessary
- Contains no petroleum or mineral oil
- Anti-corrosive
- Superior heat dissipation
- Low drag out
- Excellent filterability

Applications

- Drilling
- Grinding
- Machining
- Milling
- Tapping

Physical Properties	
Odor	Mild
Flash Point (ASTM D93)	None
Solubility in Water	Complete
pH (Concentration)	9.4

Container Size	Reorder Number
380	
20 Liter	080091
208 Liter	080175

388

Synthetic Tapping Fluid

Ready to use, pure synthetic formulation for machining operations performed at high speed and feed rates. Superior heat dissipation and will not smoke, fume, or mist. Ideal use for true and precise thread cutting as well as for dry seal threads and high pressure hydraulic fittings.

Product Characteristics

- Excellent lubricity
- Reduced galling
- Extends tool life
- Biodegradable
- Low residue

Applications

- Tapping
- Boring
- Reaming
- Drilling
- Milling

Physical Properties	
Odor	Essentially None
Flash Point	None
Specific Gravity	1.01
pH (Concentration)	8.2

Container Size	Reorder Number
388	
475 Milliliter	081491
20 Liter	081492
208 Liter	081194

METALWORKING FLUIDS

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
- Provides maximum tool life
- Excellent part finish
- Clings to vertical and overhead surfaces
- Cleaner cuts, prevents metal to metal microwelding, galling and built-up edges
- Protects from rust
- No unpleasant odors
- NSF registered H2, P1

Applications

- Broaching
- Boring
- Drilling
- Sawing
- Reaming
- Milling
- Pipe threading
- Countersinking

Physical Properties	
Odor	Mild Petroleum
Flash Point (ASTM D93, DIN 51 755)	170˚C (338˚F)
Solubility in Water	Negligible
Specific Gravity	0.9
Density	0.9 kg/l

Container Size	Reorder Number
390	
Aerosol	080102

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
- Excellent lubricity for softer metals
- Clear, colorless, non-staining
- Stops galling; promotes a uniform cut
- Prolongs life of cutting tools
- Increases production rate
- NSF registered H2

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

Physical Properties	
Odor	Pleasant, Mild
Flash Point (ASTM D93, DIN 51 755)	71°C (160°F)
Solubility in Water	Negligible
Density	0.8 kg/l

Container Size	Reorder Number
395	
Aerosol	085201
20 Liter	085211

LUBRICANT DISPENSERS

Lubri-Cup™ EM

Automatic single-point lubricator dispenses Chesterton grease to critical areas, eliminating over- and under-greasing. -15˚C to 60˚C (5˚F to 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

Versions Available		Item number
Lubri-Cup EM	Battery operated, 250cc and 500cc	084307 / 084510
Lubri-Cup EM SP 250cc	Machine synchronized to lubricate when machine is on	084311
Lubri-Cup EM S 250cc	When equipment runs intermittently or standby service	084309
Lubri-Cup EM-X 250cc	Recommended for hazardous locations	084308

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

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 (order oil separately)
- 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		Item number
Lubri-Cup OL 500cc Oiler	Battery operated	084319
Lubri-Cup OL 500cc Oiler	Machine synchronized and externally powered (DC power)	084464
Lubri-Cup OL 500cc Oiler	Machine synchronized and externally powered (AC power)	084457

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

Lubri-Cup™ VG

Chesterton Lubri-Cup VG is an automatic, single-point 250cc lubricator which dispenses Chesterton grease to critical areas, eliminating over- and under-greasing. The VG pro-logic microprocessor chip control allows for simple programming of the unit by pressing a single button.

Product Characteristics

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

Applications

All Industries Including:
- Mining and ore processing
- Power
- Pulp and paper
- Water and wastewater
- Steel and metal processing

Versions Available	Item number
Lubri-Cup VG 250cc 615 #1	084304
Lubri-Cup VG 250cc 615 #2	084305
Lubri-Cup VG 250cc 630	084306
Lubri-Cup VG 250cc 633	084404
Lubri-Cup VG 250cc 635	084383

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

Lubri-Cup™ VG Mini

Chesterton Lubri-Cup VG Mini is an automatic, single-point 120cc lubricator which dispenses Chesterton grease to critical areas, eliminating over- and under-greasing. The VG Mini is designed to offer superior advantages in cost competitiveness and user friendliness over conventional gas type Single-Point Lubricators (SPL).

Product Characteristics

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

Applications

All Industries Including:
- Mining and ore processing
- Power
- Pulp and paper
- Water and wastewater
- Steel and metal processing

Versions Available	Item number
Lubri-Cup VG Mini 120cc 630	084473
Lubri-Cup VG Mini 120cc 615 #2	084477
Lubri-Cup VG Mini 120cc 635	084492

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

NSF® Category Code Letters

The following code letters designate the permissible use for each authorized compound, and conditions for use are restricted by the category in which it is placed.
NOTE: In several categories, reference is made to the need for rinsing with potable water. FIAD accepts water used in federally inspected plants as being potable when such certification is made by state health agency authorities.

A. Cleaning Compounds

A1 – Compounds for use as general cleaning agents on all surfaces, or for use with steam or mechanical cleaning devices in all departments.
Before using these compounds, food products and packaging materials must be removed from the room or carefully protected.
After using these compounds, surfaces must be thoroughly rinsed with potable water.

A2 – Compounds for use only in soak tanks or with steam or mechanical cleaning devices in all departments.
Before using these compounds, food products and packaging materials must be removed from the room or carefully protected.
After using these compounds, all surfaces in the area must be thoroughly rinsed with potable water.

A3 – Acid Cleaners for use in all departments
Before using these compounds, food products and packaging must be removed from the room or carefully protected. After using these compounds, all surfaces in the area must be thoroughly rinsed with potable water.

A4 – Floor and Wall Cleaners for use in all departments.
Before using these compounds, food products and packaging materials must be removed from the room or carefully protected.
After using these compounds, all surfaces in the area must be thoroughly rinsed with potable water.

C. Compounds used in Inedible and Non-processing Areas

C1 – Compounds for use on all surfaces in inedible product processing areas, non-processing areas, and/or exterior areas.
These compounds must not be used to mask odors resulting from unsanitary conditions.
They must be used in a manner that prevents penetration of any characteristic odor or fragrance into edible product areas.
Compounds containing isomers of dichlorobenzene, or other substances toxic by inhalation, may be used only in areas where there is adequate ventilation to prevent accumulation of hazardous vapors.
Permission for use of these compounds on loading docks and other similar areas is left to the discretion of the inspectors in charge of the plants.

H. Lubricants

H1 – Lubricants
These compounds may be used as a lubricant or anti-rust film on equipment and machine parts in locations in which there is exposure of the lubricated part to edible products. They may also be used as a release agent on gaskets and seals of tank closures. The amount used should be the minimum required to accomplish the desired technical effect on the equipment. If used as an anti-rust film, the compound must be removed from the equipment surface by washing or wiping as required to leave the surface effectively free of any substance, which could be transferred to food being processed.

H2 – Lubricants
These compounds may be used as a lubricant, release agent, or ant-rust film on equipment and machine parts or in closed systems (e.g., hydraulic systems) in locations in which there is no possibility of the lubricant or lubricated part contacting edible products.

K. Solvent Cleaners

K1 – Solvents and Solvent Degreasers for use in non-processing areas.
Following the use of these compounds, equipment and utensils must be thoroughly washed and rinsed with potable water before being returned to a processing area.

K2 – Solvents for cleaning electronic instruments.
These compounds are chemically acceptable for cleaning electronic instruments and devices that will not tolerate aqueous cleaning solutions. Before using these compounds, food products and packaging materials must be removed from the area or carefully protected. These compounds must be used in a manner so that all odors associated with the compound are dissipated before food products or packaging materials are re-exposed in the area.

P. Compounds Requiring Letter Indicating Authorized Use

P1 – Miscellaneous
Compounds listed in this category are to be used in accordance with the conditions set forth in the letter of acceptance. Copies of the acceptance letter must be supplied to Federal Inspectors as proof of the acceptable use(s) of the compound.

Product Specifications and Qualifications

PRODUCT	NSF	FDA	MILITARY/FEDERAL SPECIFICATION	OTHER
235 SSC	A4 133964	–	–	–
273 Electric Motor Cleaner	K2 133975 K2 133976	–	–	Underwriters Lab (UL) (Aerosol Only)
274 Industrial Degreaser	C1, K1, K2 133955 C1, K1, K2 133949 (aerosol)	178.3530	–	–
276 Electronic Component Cleaner	K2 133974 (bulk) K2 133973 (aerosol)	172.882 172.884 178.3530 178.3650	–	–
279 PCS	K2 134012	–	–	German IGI250121/29
292 Precision Degreasing Solvent	K1, K2, K3 134003 K1, K2, K3 134004 (aerosol)	–	–	–
294 CSD	C1, K1, K3 143867	–	–	–
296 Electro Contact Cleaner	K2 134002	–	–	–
346 Descaler and Chemical Cleaner	A3 133962	–	–	–
360 Phosphate-Free Cleaner	A1, A4 133961	–	–	–
390 Cutting Oil	H2, P1 134014 H2, P1 134947 (aerosol)	–	–	–
395 Tapping Lubricant	H2 133935	–	–	–
438 PTFE Coating	H2 133950 (aerosol) H2 133951 (bulk)	–	–	–
601 Chain Drive Pin and Bushing Lubricant	H2 133927 (aerosol) H2 133979 (bulk) H2 153826 (EU)	–	–	CFIA
610 Plus	H2 153827	–	–	–
615 HTG #1	H2 133941	–	–	–
615 HTG #2	H2 133940	–	–	–
622 White Grease	H1 133929	178.3570 177.1550	–	CFIA
625 CXF	H1 138414	178.3620 178.3570	–	–
629 High Temperature White Grease	H1 133936	178.3570 177.1550	–	CFIA
630 SXCF	H1 138415 (bulk) H1 142462 (aerosol)	178.3570	–	–
651 Detergent Lubricating Oil	H2 133946 (bulk) H2 133928 (aerosol) H2 153828 (EU)	–	–	–
652 Pneumatic Lubricant and Conditioner	H2 133944 H2 153829 (EU)	–	–	–
660 Silicone Lubricant	H1 133970 (aerosol) H1 133932 (bulk)	181.28 178.3910 178.3570 178.884 178.3650	–	–
662 FG Barrier Fluid 22	H1 143837	178.3620 178.3570	–	–
690 FG Lubricant	H1 133933 (aerosol) H1 133969 (bulk)	178.3620 178.3570	–	CFIA
706 Rustsolvo®	H2 133942	–	–	–

Product Specifications and Qualifications

PRODUCT	NSF	FDA	MILITARY/FEDERAL SPECIFICATION	OTHER
710 Anti-Seize Compound	H2 133958	–	MIL-A-907D	QPL-907
715 Spraflex® Standard and Gold	H2 133938 H2 133934 (aerosol) H2 133930 (Gold) H2 133931 (Gold aerosol)	–	–	CFIA Standard and Gold
723 Sprasolvo® 723 FG Sprasolvo®	H2 133939 H1 134006 (FG)	– 172.884 178.3620 178.3650 178.3570	–	–
725 Nickel Anti-Seize Compound	H2 133959	–	MIL-A-907	CFIA
730 Spragrip®	P1 133947	–	–	–
740 Heavy Duty Rust Guard	–	–	MIL-C-16173D Grade 1 & 4	–
752 Cold Galvanizing Compound	–	–	MIL-P-46105 MIL-P-26915 MIL-P-21035	–
772 Premium Nickel Anti-Seize Compound	–	–	MIL-A-907F	GE TIL 1117-3R1 GE D50YP12 GE NEDC-31735P
775 Moisture Shield	H2 134015	–	MIL-C-81309D TYPE II MIL-C-16173D TYPE III	–
785 Parting Lubricant (Bulk)	H2 133960	–	DVGW	–
785 FG Parting Lubricant	H1 132237	178.3570	–	–
787 Sliding Paste	H2 133956	–	–	–
800 GoldEnd® Tape	H1, P1 134016	177.1615 177.1550	MIL-T-27730A	Underwriters Lab USA (UL) Canada (ULC) DVGW 96.01e907 EN751-3 OXYGEN CERTIFIED, BAM Ref. No. 11.1/46 513
803 Industrial and Marine Solvent II	A1 133966	–	–	–
820 KPC	A1 133963	–	–	–
820N KPC	A1, A4 133977	–	–	–
860 Moldable Polymer Gasketing	P1 134017 (aerosol) P1 134018 curing	175.300 177.2600	–	CFIA
900 GoldEnd® Paste	H2, P1 133957	–	–	Underwriters Lab (UL) CFIA
3500 Valvelon®	P1 134013	–	–	–

NSF® is a registered trademark of NSF International.
Freon™ is a trademark of Chemours Company.

CHESTERTON® GoldEnd®, Rustsolvo®, Rust Transformer®, Spraflex®, and Spragrip®, are registered trademarks of A.W. Chesterton Company.
Sprasolvo™, Valvelon™, Lubri-Cup™, and QBT™ Quiet Bearing Technology are trademarks of A.W. Chesterton Company.

All statements in this catalog pertaining to pressure, chemical compatibility, temperature, and service ratings are based on general service experience. Because of the wide variety of applications of our products, the broad range of products available, and the wide range of equipment conditions encountered, together with the unpredictable human factors involved in the installation of these products by the ultimate user, you should not follow recommendations shown without specific prior service experience or consultation with an authorized Chesterton representative.

Specific data on materials, construction methods, installation, and troubleshooting procedures are subject to change without notice.

Performance is closely associated with the process operating conditions and equipment conditions. Technical data reflects results of laboratory tests and is intended to indicate general characteristics only. A.W. CHESTERTON COMPANY DISCLAIMS ALL WARRANTIES EXPRESSED, OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR USE. LIABILITY, IF ANY, IS LIMITED TO PRODUCT REPLACEMENT ONLY.

Global Solutions, Local Service

Since its founding in 1884, the A.W. Chesterton Company has successfully met the critical needs of its diverse customer base. Today, as always, customers count on Chesterton solutions to increase equipment reliability, optimize energy consumption, and provide local technical support and service wherever they are in the world.

Chesterton's global capabilities include:

- Servicing plants in over 100 countries
- Global manufacturing operations
- More than 500 Service Centers and Sales Offices worldwide
- Over 1200 trained local Service Specialists and Technicians

Visit our website at www.chesterton.com

KEEPING THE PLANET CLEAN
CHESTERTON

Chesterton ISO certificates available on
www.chesterton.com/corporate/iso

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only. A.W. Chesterton Company disclaims all warranties express, or implied, including warranties of merchantability and fitness for a particular purpose. Liability, if any, is limited to product replacement only. Any images contained herein are for general illustrative or aesthetic purposes only and are not intended to convey any instructional, safety, handling or usage information or advice respecting any product or equipment. Please refer to relevant Safety Data Sheets, Product Data Sheets, and/or Product Labels for safe use, storage, handling, and disposal of products, or consult with your local Chesterton sales representative.

© 2017 A.W. Chesterton Company
® Registered trademark owned and licensed by A.W. Chesterton Company in USA and other countries, unless otherwise noted.

CHESTERTON®
Global Solutions, Local Service.

Distributed by:
CHAIN & DRIVES®
COMPLETE POWER TRANSMISSION
POWER > SPEED > TORQUE

Unit 1 / 45 Inspiration Drive Wangara WA 6065 (08) 9303 4966 (08) 9303 4977
chainanddrives.com.au info@chainanddrives.com.au
ABN 81 121 105 173