



# INDUSTRIAL LUBRICANT SOLUTIONS

## FULL GUIDE TO **STATE'S** INDUSTRIAL LUBRICANTS



**State**<sup>®</sup>  
Since 1911

[stateindustrial.com](http://stateindustrial.com)

Care For Work Environments<sup>®</sup>

# STATE LUBRICANT LINE

State offers a variety of products, from aerosol lubricants and penetrants, to bulk greases all to help maintain your facility. Designed with the toughest conditions in mind, our products can withstand the everyday demands of heavy-duty maintenance applications. Plus, we can put together an aerosol program where you select the products you need to handle the different issues you deal with every day.

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# STATE PENETRANTS

Penetrants are specialized fluids designed to break through rust, corrosion, and grime in tight or seized components. Their low viscosity and aerosol pressure allow them to reach deep into threads, joints, and fittings. This enables them to loosen stuck parts quickly and efficiently. Many also leave behind a light, protective film that lubricates while guarding against further corrosion. With non-flammable options available, penetrants are a safe and effective solution for industrial, automotive, and maintenance environments.

## FAST-ACTING PERFORMANCE

Penetrants significantly reduce the time, effort, and potential damage involved in disassembling rusted or seized parts. Their deep-reaching formulas quickly restore movement, making them ideal for aging or weather-exposed systems.

## VERSATILE PROTECTION & USE

In addition to freeing stuck components, many penetrants offer ongoing protection by forming a corrosion-resistant film. They're commonly used on bolts, locks, brake cables, and other metal parts where rust prevention and quick release are critical.



# STATE GUARDIAN™ PENETRANT



## OVERVIEW

Guardian™ Penetrant is a deep-penetrating, non-flammable formula that quickly loosens rusted nuts, bolts, and studs, even in the toughest spots. It leaves behind a protective oil film that lubricates and guards against rust and corrosion, making it ideal for use on exhaust fittings, brake cables, locks, and more.

- Deep-penetrating fluid loosens nuts, bolts, and studs quickly
- Lubricates with residual oil film to protect surfaces
- Non-flammable formula for safe handling
- Protects surfaces from rust and corrosion



## PACKAGING

129390	EA1
129390-12	CS12
129390-24	CS24

# PENETRANTS





# EnviroResponse™



## OVERVIEW

EnviroResponse™ Bio-Based Penetrant breaks through rust and corrosion fast using a patented, VOC-compliant, bio-based formula designed for today's regulatory standards. It clings to metal surfaces, climbing threads and freeing stuck parts while leaving behind a protective film that prevents future rust. Ideal for automotive repairs, shop maintenance, hinges, doors, and detail work, EnviroResponse™ Bio-Based Penetrant delivers powerful performance while being safer for the environment.

- Deep penetrating fluid that lubricates with residual oil film
- 47,000 Volt dielectric strength for use in electrical applications
- Protects applied surfaces from rust and corrosion
- USDA certified bio-based product

## PACKAGING

124753	EA1
124753-12	CS12
124753-24	CS24



# PENETRANTS

# STATE LUBRICANTS

Lubricants are vital for reducing friction, wear, and heat between moving parts, keeping equipment operating smoothly and efficiently. Today's options include dry films, food-grade aerosols, cutting fluids, and high-performance synthetics, each designed to meet specific industrial demands. Cutting fluids play a key role in machining by cooling surfaces, dispersing heat, and extending tool life. Many lubricant formulas also provide wide temperature protection and resist buildup, oxidation, and contamination. These lubricants support improved system performance, reduced maintenance, and extended equipment life.

## IMPROVED PERFORMANCE & PROTECTION

Lubricants form lasting protective films that reduce friction and wear, resist dirt accumulation, and perform under extreme heat or pressure. Their efficiency leads to fewer breakdowns, lower maintenance costs, and longer-lasting equipment.

## VERSATILE USE ACROSS INDUSTRIES

Whether applied to gears, chains, conveyors, or cutting surfaces, lubricants are suited for a wide range of surfaces and applications. Options exist for food-grade settings, metal-to-metal contact points, and even non-metal surfaces like rubber and wood.





# STATE GUARDIAN™ DRY SILICONE LUBRICANT



## OVERVIEW

Guardian™ Dry Silicone Lubricant is a fast-drying silicone lubricant that leaves a clear, non-staining, waterproof film to lubricate and protect. Its long-lasting, non-stick coating prevents buildup from snow, grass, sawdust, and more, all while guarding against rust and corrosion. It provides effective lubrication between -35°F and 300°F and is safe for use on nearly any type of surface, including metal, wood, rubber, plastic, leather, canvas and chrome. It can also have light-duty use for chains, cables, pulleys, bearings, and high pressure applications.

- Fast drying silicone aerosol provides excellent lubrication
- Colorless, waterproof film makes great release agent
- Protects surfaces from rust and corrosion
- NSF H1 and CFIA certified

Application / Feature	Guardian™ Dry Silicone Lubricant
High Load/ Extreme Pressure	No
High Temperature	No
Dusty/Dirty Environments	Good
Corrosion Protection	No
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	Good

## PACKAGING

129391	EA1
129391-12	CS12
129391-24	CS24

# FORMULA 173 SPW



## OVERVIEW

SPW is a fast-drying silicone lubricant that leaves a clear, non-staining, waterproof film to lubricate and protect. Its long-lasting, non-stick coating prevents buildup from snow, grass, sawdust, and more, all while guarding against rust and corrosion. It provides effective lubrication between -35°F and 300°F and is safe for use on nearly any type of surface, including metal, wood, rubber, plastic, leather, canvas and chrome. It can also have light-duty use for chains, cables, pulleys, bearings, and high pressure applications.

- Fast drying silicone provides excellent lubrication
- Colorless, waterproof film makes great release agent
- Protects wide variety of surfaces from rust and corrosion



## PACKAGING

25411	GL EA1
125599	GL CS4
25405	D20
25401	D55





## OVERVIEW

FGL™ is a clean, non-staining white mineral oil lubricant designed for food processing and packaging equipment. Effective use from 0°F to 300°F but not intended for high load/high pressure applications. This product is non-toxic, odorless, tasteless and contains no silicone. Ideal for applications such as slides, conveyors, canning lines, bottling machines, and more. Packaged in a convenient industrial aerosol with an extension tube, FGL™ is easy to apply with no special equipment required.

- Designed for food processing and packaging industry
- Non-staining, silicone-free formula
- NSF H1 and CFIA certified

## PACKAGING

125875	EA1
125875-12	CS12
125875-24	CS24

Application / Feature	FGL™
High Load/ Extreme Pressure	No
High Temperature	No
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	No
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	Good

# OGL



## PACKAGING

121810	EA1
121810-12	CS12
121810-24	CS24

## OVERVIEW

OGL is a weather-resistant lubricant that sprays on thin and penetrates deep, then thickens into a heavy load-bearing consistency. Powerful adhesive agents cause it to spread and cling to contact areas, assuring uniform coverage. Its oil-based formula ensures long-lasting covering and protects against water, corrosion, and wear making it ideal for heavy-duty applications in cement mills, sawmills, foundries, machine shops, and mining operations.

- Creates uniform coverage to protect from water and rust
- Withstands high loads and extreme pressures
- Eliminates friction and reduces wear to protect surfaces
- NSF H2 certified

Application / Feature	OGL
High Load/ Extreme Pressure	Good
High Temperature	Good
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	Good



# TEF™



## OVERVIEW

TEF™ is a clear, non-staining lubricant that creates a slick, protective barrier resistant to acids, solvents, and extreme temperatures (-100°F to 500°F). Its advanced release agents reduce friction and wear, making it ideal for use on metal, wood, rubber, leather, and glass.

- Non-staining and colorless for superior invisible lubrication
- Dry-PTFE formula provides excellent release properties
- Dries into odorless, oil-resistant film that repels dust and dirt
- Effective from -100°F to 500°F for broad temperature usage

Application / Feature	TEF™
High Load/ Extreme Pressure	No
High Temperature	Good
Dusty/Dirty Environments	Good
Corrosion Protection	No
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	No

## PACKAGING

121830	EA1
121830-12	CS12
105466	CS24

# GRA™



## OVERVIEW

GRA™ is an advanced, high-temperature dry-film graphite lubricant engineered for extreme industrial environments. Its fast-drying formula forms a durable, pressure-resistant barrier that performs reliably in temperatures ranging from -100°F to 850°F (-73°C to 454°C). Unlike traditional greases, GRA won't attract dust, dirt, or debris, making it ideal for precision applications on exposed metal surfaces.

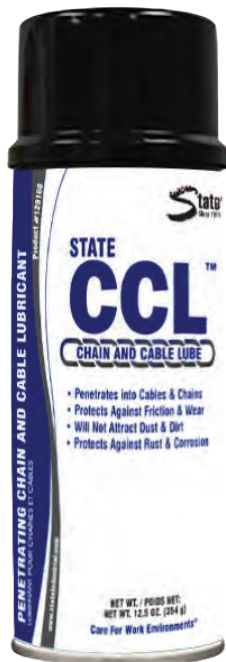
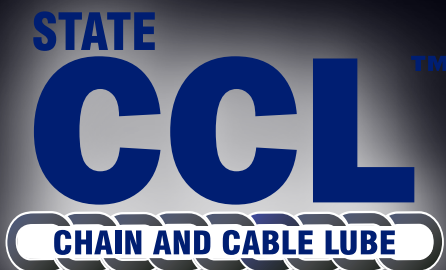
- Performs under extreme pressures
- Reduces mechanical wear, extending the life of equipment
- Will not attract dust, dirt or debris on any metal surface
- Provides superior lubrication from -100°F to 850°F
- Resists pressures up to 18,000 psi

Application / Feature	GRA™
High Load/ Extreme Pressure	Good
High Temperature	Good
Dusty/Dirty Environments	Good
Corrosion Protection	No
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	No

## PACKAGING

127689	EA1
127689-12	CS12
127689-24	CS24





## OVERVIEW

CCL™ penetrates deep into wire ropes and chains to deliver lasting lubrication without attracting dust or dirt. It protects against galling, seizing, and wear, helping reduce noise, vibration, and chain whip for longer equipment life. Ideal for forklifts, gears, hoists, pulleys, conveyors, and other high-friction industrial components. CCL can be used in outdoor applications, but it may require repeated applications to maintain performance.

- Penetrates and lubricates cables and chains
- Protects against friction and wear
- Dry film will not attract dust and dirt
- Protects against rust and corrosion

Application / Feature	CCL™
High Load/ Extreme Pressure	No
High Temperature	No
Dusty/Dirty Environments	Good
Corrosion Protection	Good
Outdoor/Weather Resistance	No
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	No

## PACKAGING

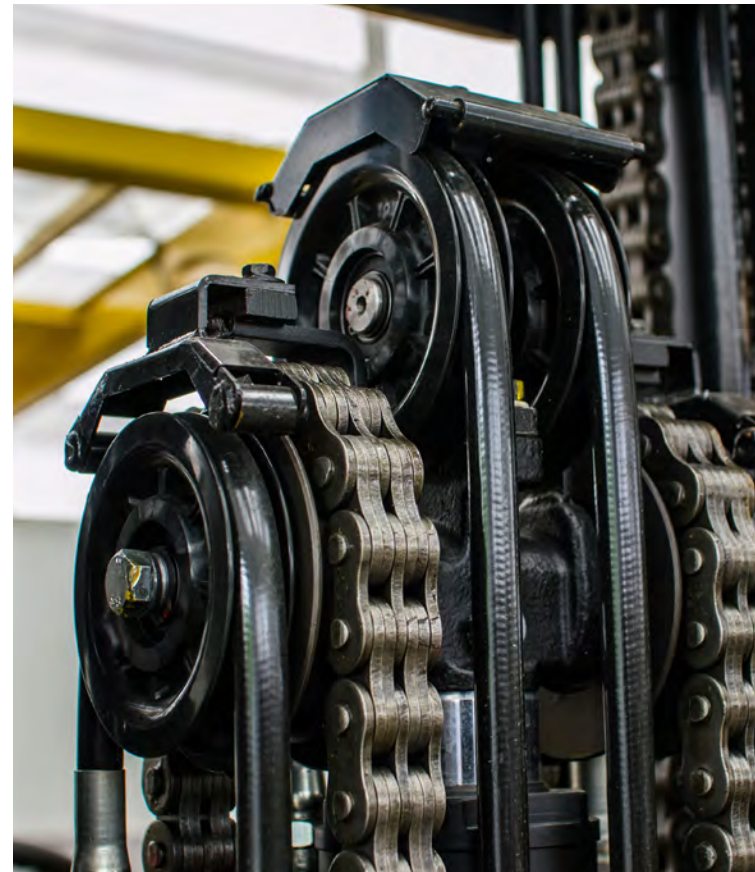
129160	EA1
129161	CS12
129395-24	CS24



## OVERVIEW

DuraFlex penetrates deep into wire ropes and chains to deliver lasting lubrication without attracting dust or dirt. It protects against galling, seizing, and wear, helping reduce noise, vibration, and chain whip for longer equipment life. Ideal for forklifts, gears, hoists, pulleys, conveyors, and other high-friction industrial components.

- Penetrates and lubricates cables and chains
- Protects against friction and wear
- Dry film will not attract dust and dirt
- Protects against rust and corrosion



## PACKAGING

123831	5 GL Pail
125251	Drum 55





## OVERVIEW

Guardian™ Dry Moly Lubricant is a fast-drying, moly-based lubricant built for extreme conditions, handling temps from -40°F to 662°F and pressures up to 250,000 psi. It forms a durable dry film that resists moisture, prevents rust, and won't carbonize, even under intense heat. This product is free of methylene chloride and is ideal for chains, gears, and high-temp environments where liquid lubricants fall short. Light-duty applications are acceptable for hinges, heavy construction equipment, locks and latches. It can also be applied to plastic and rubber.

- Moly-based dry film that lubricates and displaces moisture
- Quickly dry allows immediate use of chain and gear after application
- Can be used at high temperatures and will not carbonize
- Protects against rust and corrosion

Application / Feature	Guardian™ Dry Moly Lubricant
High Load/ Extreme Pressure	Good
High Temperature	Good
Dusty/Dirty Environments	Good
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	Good
Plastic/Rubber Compatibility	Good
Food Grade	No

## PACKAGING

129401	EA1
129401-12	CS12
129401-24	CS24

# STATE GUARDIAN™ CUTTING FLUID



## OVERVIEW

Guardian™ Cutting Fluid is a high-performance cutting fluid designed for clean, precise results in cutting, threading, tapping, and drilling. Its advanced formula reduces friction, disperses heat, and protects against rust and corrosion. Application eliminates mess and waste, while its compatibility with most metals makes it a versatile solution for any shop.

- Cooling and lubricating agents to extend equipment life
- Reduces friction to minimize heat buildup
- Compatible with most metals allowing for broad usage
- Eliminates spillage, dripping, evaporation and runoff

## PACKAGING

129395	EA1
129395-12	CS12
129395-24	CS24

Application / Feature	Guardian™ Cutting Fluid
High Load/ Extreme Pressure	No
High Temperature	Good
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	No
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	No



# CUT-N-COOL



## OVERVIEW

Cut-N-Cool is a high-performance cutting fluid designed for clean, precise results in cutting, threading, tapping, and drilling. Its advanced formula reduces friction, disperses heat, and protects against rust and corrosion. Application eliminates mess and waste, while its compatibility with most metals makes it a versatile solution for any shop.

- Cooling and lubricating agents to extend equipment life
- Reduces friction to minimize heat buildup
- Compatible with most metals allowing for broad usage
- Eliminates spillage, dripping, evaporation and runoff



## PACKAGING

25995	GL EA
125584	GL CS4
25992	Drum 20
25990	Drum 55
124606	Tote 260

# STATE GREASES

Greases are heavy-duty lubricants designed to stay in place under high loads, pressure, and temperature extremes. Made with thickeners like lithium, aluminum, or bentonite, they provide long-lasting protection against rust, corrosion, and water washout. This category also includes gel lubricants for targeted, no-drip application and anti-seize compounds that prevent galling and seizing in threaded metal parts. Whether you're maintaining high-speed bearings, food plant machinery, or construction equipment, there's a grease or specialty formulation for the job. These products are engineered to resist oxidation and shearing, extending service life and reducing the need for frequent reapplication.

## ENGINEERED FOR EXTREME DEMANDS

Modern greases are built to perform in the most punishing environments. They remain stable under high pressure and temperature, resisting breakdown, washout, and oxidation.

## TRUSTED IN CRITICAL EQUIPMENT

Whether for food processing lines, agricultural machinery, or industrial gearboxes, greases protect essential components from wear and corrosion, ensuring long-term performance and uptime.





# INVISI LUBE II



## OVERVIEW

Invisilube® II is a heavy-duty, no-drip lubricant that sprays on as a liquid, penetrates deep, then dries clear with no residue. Powered by Liqui-set technology, it forms a clear, highly viscous film that is ideal for applications where staining can't be tolerated. Excellent temperature range usage from -20°F to 600°F and light-duty use only for bearings, heavy construction equipment and high load/high pressure applications.

- Clear, non-staining gel lubricant
- Sprays as liquid to penetrate and sets up as clear gel
- Doesn't drip as product clings to vertical and overhead surfaces

Application / Feature	Invisilube® II
High Load/ Extreme Pressure	No
High Temperature	Good
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	No

## PACKAGING

126346	EA1
126346-12	CS12
126346-24	CS24



## PACKAGING

121770	EA1
121770-12	CS12
121770-24	CS24

## OVERVIEW

GRS® is a bentone-based red gel lubricant designed to stay in place and resist oxidation, even under extreme conditions. Designed to withstand moisture, acids, high pressure and rusting. It won't thin or break down over time, providing reliable performance on metal surfaces. Temperatures over 350°F may require periodic reapplication. Ideal for adjuster screws, bushings, cable connections, hinges, winches, conveyors, gears, bushings, pins, levers and rollers. Can be used in all areas of industrial maintenance.

- Sprays on as liquid and sets as red waterproof gel
- Protects surfaces from rust and corrosion
- Withstands high pressures and loads from 0°F to 350°F
- Unaffected by acids, salt and alkaline

Application / Feature	GRS®
High Load/ Extreme Pressure	Good
High Temperature	No
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	No



# WAG™



## OVERVIEW

WAG is a multipurpose white grease formulated for metal-to-metal contact, offering long-lasting protection against rust and water damage. Ideal for food plant machinery, conveyors, bottling, and packaging equipment, it helps minimize maintenance and prevent costly downtime.

- White multi-purpose grease lubricates and protects surfaces
- Anti-rust barrier to protect parts exposed to water and moisture
- NSF H1 and CFIA certified

Application / Feature	WAG™
High Load/ Extreme Pressure	Good
High Temperature	Good
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	Good

## PACKAGING

122868	EA1
122868-12	CS12
122868-24	CS24

# Rapid Wrench™



## OVERVIEW

Rapid Wrench™ is a copper-based lubricant designed to prevent galling, seizing, rust, and corrosion on threaded or mated metal surfaces. It withstands extreme conditions and resists oxidation, acids, caustics, steam, and saltwater. Ideal for use on fittings, brake cams, chains, valves, and more. It's safe for all metals including steel, stainless, aluminum, and titanium. Can be used in a variety of industries, not limited to automotive, industrial, marine, and construction.

- Copper-based formula prevents galling and seizing
- Effective in extreme temperature conditions (-60°F to 1800°F)
- Prevents rust and corrosion on applied surfaces



## PACKAGING

121826	EA1
121826-12	CS12
105457	CS24

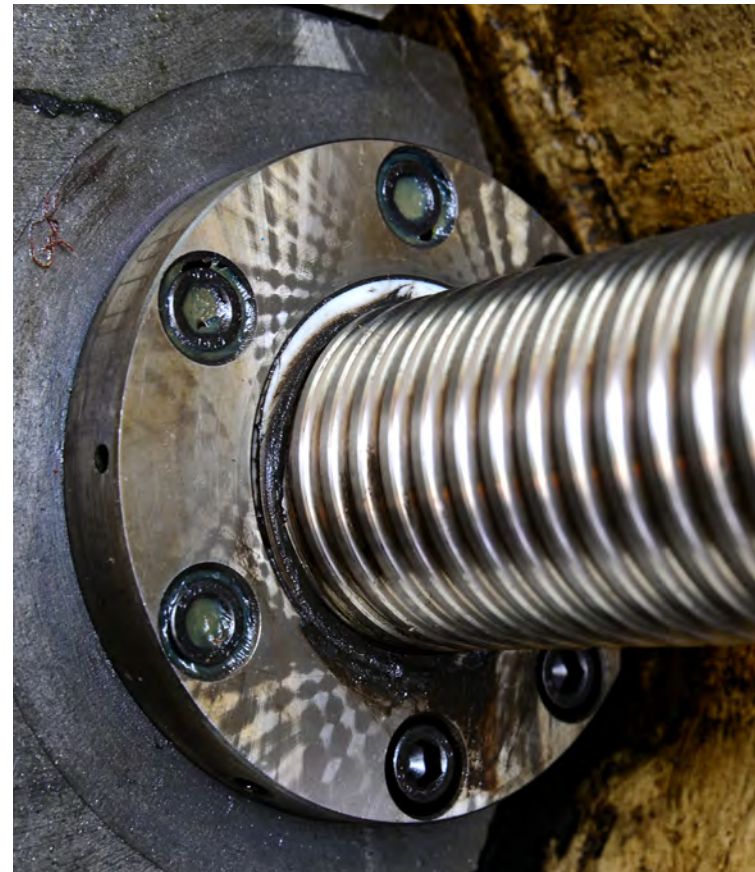




## OVERVIEW

Screw-Eez II is a copper-based, lead-free anti-seize lubricant that prevents galling, seizing, rust, and corrosion. Fortified with antioxidants and corrosion inhibitors, it ensures easy assembly and disassembly, even under extreme temperatures. It won't harden, dry out, or wash away, making it ideal for use on metal fittings, threads, and fasteners in demanding industrial environments. Safe for use with a wide range of metals, plastics, and fiberglass. Can be used in a variety of industries, not limited to automotive, industrial, marine, and construction.

- Protects against seizure, heat freeze, and galling
- Prevents oxidation and corrosion on applied surfaces
- Broad usage as product is effective from -0°F to 1800°F
- Does not inhibit conductivity where applied



## PACKAGING

54146	EA1
54145	CS6

# STATE GUARDIAN™ ALL-PURPOSE GREASE



## OVERVIEW

Guardian™ All-Purpose Grease is a multi-use lithium complex grease formulated with rust and oxidation inhibitors plus extreme pressure additive to handle heavy loads and harsh conditions. It provides lasting protection and lubrication up to 350°F, making it ideal for disc brakes, industrial machinery, mining, agriculture, and off-road equipment.

- Lithium complex grease (NLGI Grade 2)
- Protects up to 350°F for multi-purpose use
- Additives for extreme pressure use

## PACKAGING

129406	CT1
129407	CT10
129408	D120

	PRODUCTS			
	Guardian™ All-Purpose Grease	Guardian™ Super Impact Grease	Guardian™ Food Grade Grease	Guardian™ Extreme Temp Grease
CHARACTERISTICS				
Color	Amber	Green	White	Green
Function	All-Purpose	Super Impact	Food Grade	Extreme Temp
Thickness	Lithium Complex	Bentone	Calcium Sulfonate	Calcium Sulfonate
Base Oil	Petroleum Oil	Petroleum Oil	Mineral Oil	Petroleum Oil
NLGI Grade	2	3	2	2
Operating Temp Range (°F)	0 to 350	0 to 300	-40 to 500	-20 to 500
Dropping Point (°F)	550 to 600	Non-melt	550	+550
Penetration	265-295	220-250	265-295	265-295
Extreme Pressure Additive Present	Yes	Yes	Yes	Yes
Timken OK Load (LBS)	60-70	60-70	60	65
Four Ball Weld Load (KG)	315	315-400	620	620

# GREASES



# STATE GUARDIAN™ SUPER IMPACT GREASE



## OVERVIEW

Guardian™ Super Impact Grease is a non-melting, high-impact grease formulated with a Bentone thickener and paraffinic base oil. Fortified with tackifiers, it clings under extreme pressure and high temperatures, making it ideal for heavy machinery, fleet maintenance, bearings, and tough automotive wear points.

- Non-melt Bentone grease (NLGI Grade 3)
- Designed for specialized high-pressure applications
- Fortified to withstand heavy impact and extreme temperatures

## PACKAGING

129417	CT1
129418	CT10
129421	D120

	PRODUCTS			
	Guardian™ All-Purpose Grease	Guardian™ Super Impact Grease	Guardian™ Food Grade Grease	Guardian™ Extreme Temp Grease
CHARACTERISTICS				
Color	Amber	Green	White	Green
Function	All-Purpose	Super Impact	Food Grade	Extreme Temp
Thickness	Lithium Complex	Bentone	Calcium Sulfonate	Calcium Sulfonate
Base Oil	Petroleum Oil	Petroleum Oil	Mineral Oil	Petroleum Oil
NLGI Grade	2	3	2	2
Operating Temp Range (°F)	0 to 350	0 to 300	-40 to 500	-20 to 500
Dropping Point (°F)	550 to 600	Non-melt	550	+550
Penetration	265-295	220-250	265-295	265-295
Extreme Pressure Additive Present	Yes	Yes	Yes	Yes
Timken OK Load (LBS)	60-70	60-70	60	65
Four Ball Weld Load (KG)	315	315-400	620	620

# GREASES



## OVERVIEW

Guardian™ Food-Grade Grease is an NSF H1-certified, calcium sulfonate grease formulated for food processing and packaging equipment. Blended with ISO 200 mineral oil, it offers low-toxicity lubrication with added rust and oxidation protection.

- Food Grade calcium sulfonate grease (NLGI Grade 2)
- Designed for food and poultry plants
- NSF H1 and CFIA certified

## PACKAGING

129411	CT1
129412	CT10
129413	D120

	PRODUCTS			
	Guardian™ All-Purpose Grease	Guardian™ Super Impact Grease	Guardian™ Food Grade Grease	Guardian™ Extreme Temp Grease
CHARACTERISTICS				
Color	Amber	Green	White	Green
Function	All-Purpose	Super Impact	Food Grade	Extreme Temp
Thickness	Lithium Complex	Bentone	Calcium Sulfonate	Calcium Sulfonate
Base Oil	Petroleum Oil	Petroleum Oil	Mineral Oil	Petroleum Oil
NLGI Grade	2	3	2	2
Operating Temp Range (°F)	0 to 350	0 to 300	-40 to 500	-20 to 500
Dropping Point (°F)	550 to 600	Non-melt	550	+550
Penetration	265-295	220-250	265-295	265-295
Extreme Pressure Additive Present	Yes	Yes	Yes	Yes
Timken OK Load (LBS)	60-70	60-70	60	65
Four Ball Weld Load (KG)	315	315-400	620	620



# STATE GUARDIAN™ EXTREME TEMP GREASE



## OVERVIEW

Guardian™ Extreme Temperature Grease is a waterproof, high-performance grease built for extreme pressure, high-speed, and severe temperature applications. It forms a durable, shear-stable film that resists rust, corrosion, and saltwater washout. Ideal for demanding industrial, marine, and heavy-duty environments.

- Calcium sulfonate grease (NLGI Grade 2)
- Effective at -20°F to 500°F for extreme temperature usage
- Suitable for high-speed bearings and extreme pressure use
- Protects surfaces from rust and corrosion

## PACKAGING

129414	CT1
129415	CT10
129416	D120

	PRODUCTS			
	Guardian™ All-Purpose Grease	Guardian™ Super Impact Grease	Guardian™ Food Grade Grease	Guardian™ Extreme Temp Grease
CHARACTERISTICS				
Color	Amber	Green	White	Green
Function	All-Purpose	Super Impact	Food Grade	Extreme Temp
Thickness	Lithium Complex	Bentone	Calcium Sulfonate	Calcium Sulfonate
Base Oil	Petroleum Oil	Petroleum Oil	Mineral Oil	Petroleum Oil
VNLGI Grade	2	3	2	2
Operating Temp Range (°F)	0 to 350	0 to 300	-40 to 500	-20 to 500
Dropping Point (°F)	550 to 600	Non-melt	550	+550
Penetration	265-295	220-250	265-295	265-295
Extreme Pressure Additive Present	Yes	Yes	Yes	Yes
Timken OK Load (LBS)	60-70	60-70	60	65
Four Ball Weld Load (KG)	315	315-400	620	620

# GREASES

# PRODUCT SELECTION CHART

## LUBRICANT APPLICATION CHART

	APPLICATIONS													
	Static Chains/Cables/Pulleys	Flexing Chains/Cables/Pulleys	Open Gears	CNC and Machining Tools	Bearings	Mold Release	Locks & Latches	Hinges	Heavy Construction Equipment	Conveyors	Vacuum or Aerospace Use	Anti-Seize / Thread Lubrication	Sliding/Static Metal Contact	
CCL™	★	★	✗	✗	✓	✗	✗	✓	✓	✓	✗	✗	✓	
Guardian™ Dry Moly Lubricant	✓	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	★	
FGL™	✓	✗	✗	✗	✓	✗	✗	✓	✗	✓	✗	✗	✗	
GRA™	★	✗	✗	✗	✗	✗	★	✗	✗	✗	✗	✓	✓	
OGL®	✗	✗	★	✗	✗	✗	✗	✗	★	✗	✗	✗	✗	
Guardian™ Dry Silicone Lubricant	✗	✗	✗	✗	✗	★	✓	★	✗	✓	✗	✗	✓	
TEF™	✓	✗	✗	✗	✗	★	★	✓	✗	✗	✓	✓	★	
Guardian™ Cutting Fluid	✗	✗	✗	★	✗	✗	✗	✗	✗	✗	✗	✗	✗	
Invisilube® II	✓	✗	✗	✗	✗	✗	✓	★	✗	✓	✗	✗	✓	
GRS®	✓	✗	✓	✗	✓	✗	✗	★	★	✓	✗	✗	✓	
WAG™	✓	✓	✗	✓	✗	★	★	✓	★	✗	✗	★	✗	

### KEY:

★ - excellent    ✓ - good    X - not recommended



# PRODUCT SELECTION CHART

## GREASE APPLICATION CHART

	EFFECTIVE AGAINST							APPLICATIONS									
	Rust Resistance	Dirt & Contaminants	Impact Resistance	Water Resistance	Food Grade (NSF H1)	U-Joints	Electric Motors	Machinery	Fifth Wheel	King Pins	Bucket Pins	Marine Applications	Wheel Bearings	Hinges	Gears	Grease Gun Compatible	
Guardian™ All-Purpose Grease	★	★	★	★	✗	★	★	★	★	★	★	★	★	★	★	★	
Guardian™ Super Impact Grease	★	★	★	★	✗	★	★	★	★	★	★	✗	★	★	★	★	
Guardian™ Food Grade Grease	★	★	✗	★	★	✗	✗	★	✗	✗	✗	✗	✗	✗	✗	★	
Guardian™ Extreme Temp Grease	★	★	★	★	✗	★	✗	★	✗	★	★	✗	★	✗	✗	★	

### KEY:

★ - compatible    X - incompatible

# PRODUCT SELECTION CHART

## GREASE COMPATABILITY CHART

		Aluminum Complex	Barium Complex	Calcium Stearate	Calcium 12-Hydroxy	Calcium Complex	Calcium Sulfonate Complex	Bentonite Clay	Lithium Stearate	Lithium 12-Hydroxy	Lithium Complex	Polyurea (Conventional)	Polyurea (Shear stable)
Lithium Complex	Guardian™ All-Purpose Grease	!	X	★	★	★	★	X	★	★	★	X	★
Calcium Sulfonate Complex	Guardian™ Food Grade Grease	!	!	★	★	★	★	X	★	★	★	X	★
Calcium Sulfonate Complex	Guardian™ Extreme Temp Grease	!	!	★	★	★	★	X	★	★	★	X	★
Bentonite	Guardian™ Super Impact Grease	X	X	★	★	X	X	★	X	X	X	X	!

### KEY:

★ - compatible    ! - borderline    X - incompatible

## CONTACT US

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