

# ULTRA-TEMP #2739

## Ultra High Temperature Grease



### Features:

- Excellent anti-wear protection to metal surfaces
- Highly water resistant
- Extremely stable
- NLGI: 2

### Description:

ULTRA-TEMP synthetic blend grease is a metallic silver combination of an olefinic copolymer anti-seize compound and a non-soap bentone grease. It is fortified with additives that will provide it with excellent lubricating properties, stability and anti-wear protection to metal surfaces. This product is made from mid-continent high viscosity solvent refined oil, an olefinic copolymer and is fortified with molybdenum disulfide (in sub-micron) and aluminum. It has a low gumming base and no dropping point so that it will not run out when heated. ULTRA-TEMP is a high temperature anti-friction bearing lubricant that functions in high-speed use up to 450°F, slow-speed use up to 750°F. From 750°F through 1100°F it functions as a dry-film lubricant for heavy load and slow-speed use, such as in slides or slow-revolution equipment, with the molybdenum preventing metal-to-metal contact and surface scuffing. When operated at high temperatures for prolonged time intervals, it will need to be reapplied more frequently than when used at lower temperatures. This product is appropriate for use as a lubricant with no food contact in official establishments operating under the Federal meat, poultry, shell egg grading, and egg products inspection programs. This compound may be used on equipment where there is no possible contact between edible products and lubricants or lubricated parts.



### Applications:

- Conveyors
- Bushings
- Turbines
- Bearings
- Kiln Cars
- Chains
- Gears
- Drives
- Shakers
- Burner Assemblies
- Furnaces
- Hand/Motor Operated Valves

### Product Characteristics:

Appearance:	Gel
Color:	Metallic, silver
Odor:	Oily
Boiling Point:	No data available
Vapor Pressure:	< 0.01 hPa
Density:	0.8 g/cm <sup>3</sup>
Water Solubility:	Negligible
Flash Point:	>204.4°C
Method:	Cleveland open cup
Viscosity, kinematic:	>10,000 mm <sup>2</sup> /s (40°C)
Storage:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
<b>Transport Information:</b>	
UN Number:	Not available.
Proper Shipping Name:	Not available.
Class:	Not available.
Packing Group:	Not available.

### Directions:

Pump in ULTRA-TEMP grease until old grease comes out. Reapply as needed.

### Pictograms:

NOT A CONTROLLED



PRODUCT UNDER GHS

### Signal Word:

N/A

### Personal Protective Equipment Required:



### DOT Placard:

Not available.

### VOC Compliancy:

Not available.




# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2739	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	ULTRA-TEMP	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Ultra High Temperature Grease	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Not a hazardous substance or mixture.	<b>SIGNAL WORD:</b> N/A	<b>SYMBOL:</b>		<b>NOT A CONTROLLED</b>  <b>PRODUCT UNDER GHS</b>	
<b>GHS LABEL ELEMENTS:</b> Not a hazardous substance or mixture.					

**Appearance:** Gel      **Color:** Metallic, silver      **Odor:** Oily

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	>= 20 - < 30
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>= 10 - < 20
Graphite	7782-42-5	>= 5 - < 10
Silicon, amorphous	112945-52-5	>= 3 - < 5
Aluminium	7429-90-5	>= 1 - < 3
Stoddard solvent	8052-41-3	>= 1 - < 3
quartz (SiO <sub>2</sub> )	14808-60-7	>= 0.1 - < 1

The exact percentages of disclosed substances are withheld as trade secrets.

**Substance:** Mixture

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**GENERAL:** Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

**EYES:** Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

**SKIN:** Wash off with soap and water. If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

### INHALATION:

If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

### INGESTION:

Induce vomiting immediately and call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Effects may be delayed, symptoms may include minor eye or skin irritation. Overexposure may cause mild eye or skin irritation.

### NOTES TO PHYSICIAN:

Treat symptomatically. Symptoms may be delayed.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### UNSUITABLE FIRE EXTINGUISHING MEDIA:

High volume water jet.

### SPECIFIC HAZARDS DURING FIREFIGHTING:

Do not allow run-off from fire fighting to enter drains or water courses.

### HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke

### SPECIFIC EXTINGUISHING METHODS:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### FURTHER INFORMATION:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained breathing apparatus for firefighting if necessary.

## 6. Accidental Release Measures

### PERSONAL PRECAUTIONS:

Use personal protective equipment.

### ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

**METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

**7. Handling and Storage**

**SAFE HANDLING:**

Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see Section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

**SAFE STORAGE & INCOMPATIBILITIES:**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards. Materials to Avoid: Oxidizing agents.

**8. Exposure Controls / Personal Protection**

Components	CAS #	Value Type (form of exposure)	Control parameters/permissible concentration	Basis
Stoddard solvent	8052-41-3	TWA	100 ppm	ACGIH
		TWA	350 mg/m <sup>3</sup>	NIOSH REL
		C	1800 mg/m <sup>3</sup>	NIOSH REL
		TWA	500 ppm 2900 mg/m <sup>3</sup>	OSHA Z-1
		TWA	100 ppm 525 mg/m <sup>3</sup>	OSHA P0
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	PEL	100 ppm 525 mg/m <sup>3</sup>	CAL PEL
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
graphite	7782-42-5	TWA (Inhalable fraction)	5 mg/m <sup>3</sup>	ACGIH
		TWA (Respirable)	2.5 mg/m <sup>3</sup>	NIOSH REL
Silicon, amorphous	112945-52-5	TWA (Dust)	15 Million particles per cubic foot	OSHA Z-3
		TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3
		TWA (Dust)	80 mg/m <sup>3</sup> / %SiO <sub>2</sub>	OSHA Z-3
aluminium	7429-90-5	TWA	6 mg/m <sup>3</sup>	NIOSH REL
		TWA (Respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total dust)	15 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable fraction)	1 mg/m <sup>3</sup>	ACGIH
Stoddard solvent	8052-41-3	TWA	100 ppm	ACGIH
		TWA	350 mg/m <sup>3</sup>	NIOSH REL
		C	1,800 mg/m <sup>3</sup>	NIOSH REL
		TWA	500 ppm 2,900 mg/m <sup>3</sup>	OSHA Z-1
		TWA	100 ppm 525 mg/m <sup>3</sup>	OSHA P0
		PEL	100 ppm 525 mg/m <sup>3</sup>	CAL PEL
		TWA (total dust)	30 mg/m <sup>3</sup> / %SiO <sub>2</sub> +2	OSHA Z-3
quartz (SiO <sub>2</sub> )	14808-60-7	TWA (Respirable dust)	0.05 mg/m <sup>3</sup>	NIOSH REL
		TWA (Respirable dust)	0.05 mg/m <sup>3</sup>	OSHA Z-1
		PEL (Respirable dust)	0.05 mg/m <sup>3</sup>	CAL PEL

**ENGINEERING MEASURES:**

Effective ventilation in all processing areas.

**PERSONAL PROTECTIVE EQUIPMENT:**



**Eye Protection:** Eyewash bottle with pure water. Tightly fitting safety goggles

**Skin/Body Protection:** Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hand Protection:** Material: Protective gloves.

Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Respiratory Protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment

demonstrates that exposures are within recommended exposure guidelines.

**Hygiene Measures:** When using, do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

## 9. Physical & Chemical Properties

<b>Appearance:</b>	Gel.	<b>Explosive Limit – lower (%):</b>	Not determined.
<b>Color:</b>	Metallic, silver.	<b>Explosive Limit – upper (%):</b>	Not determined.
<b>Odor:</b>	Oily.	<b>Vapor Pressure:</b>	< 0.01 hPa
<b>Odor Threshold:</b>	Not determined.	<b>Density:</b>	0.8 g/cm <sup>3</sup>
<b>pH:</b>	Not applicable.	<b>Solubility (water):</b>	Negligible.
<b>Melting Point:</b>	Not applicable.	<b>Solubility other solvents:</b>	Not determined.
<b>Freezing Point:</b>	Not applicable.	<b>Boiling Point:</b>	No data available.
<b>Viscosity, kinematic:</b>	>10,000 mm <sup>2</sup> /s (40°C)	<b>Evaporation Rate:</b>	Not applicable.
<b>Flash Point:</b>	>204.4°C Method: Cleveland open cup.		

## 10. Stability & Reactivity Information

### REACTIVITY:

Stable.

### CHEMICAL STABILITY:

Stable under normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS:

No decomposition if stored and applied as directed.

### INCOMPATIBLE MATERIALS:

Oxidizing agents.

### CONDITIONS TO AVOID:

No data available.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon oxides. Organic substances.

## 11. Toxicological Information

### POTENTIAL HEALTH EFFECTS

**Aggravated Medical Condition:** None known.

**Symptoms of Overexposure:** Effects may be delayed, symptoms may include minor eye or skin irritation.

### CARCINOGENICITY:

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Group 1:** Carcinogenic to humans

**quartz (SiO<sub>2</sub>) 14808-60-7**

**ACGIH:** Confirmed animal carcinogen with unknown relevance to humans

**Solvent naphtha (petroleum), 64742-95-6**

**light arom. (Contains less than 0.1 % w/w benzene)**

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### ACUTE ORAL TOXICITY:

#### Product:

Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method.

#### Components:

##### Distillates (petroleum), hydrotreated heavy naphthenic:

Acute oral toxicity: LD50 Rat: > 5,000 mg/kg

Acute inhalation toxicity: LC50 Rat: > 5 mg/l Exposure time: 4 h

Acute dermal toxicity: LD50 Rabbit: > 5,000 mg/kg

##### Silicon, amorphous:

Acute oral toxicity: LD50 Oral Rat: 3,160 mg/kg

##### aluminium:

Acute oral toxicity: LD50 Rat: > 15,900 mg/kg

Acute inhalation toxicity: LC50 Rat: > 0.888 mg/l Exposure time: 4 h

### SKIN CORROSION/IRRITATION:

**Product:** May cause skin irritation and/or dermatitis.

### SERIOUS EYE DAMAGE/IRRITATION:

**Product:** Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin.

### RESPIRATORY OR SKIN SENSITIZATION:

No data available.

### GERM CELL MUTAGENICITY:

No data available.

### CARCINOGENICITY:

**Product:** Carcinogenicity – Assessment: Not classifiable as a human carcinogen. Not classified due to product form (grease) and classification route of entry (inhaled powder).

### REPRODUCTIVE TOXICITY:

No data available.

### STOT - single exposure:

No data available.

### STOT - repeated exposure:

No data available.

**ASPIRATION TOXICITY:**

No data available.

**FURTHER INFORMATION:****Product:** No data available.**12. Ecological Information****ECOTOXICITY:**

No data available.

**PERSISTENCE AND DEGRADABILITY:**

No data available.

**BIOACCUMULATIVE POTENTIAL:**

No data available.

**MOBILITY IN SOIL:**

No data available.

**OTHER ADVERSE EFFECTS:**

No data available.

**Product:** Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**ADDITIONAL ECOLOGICAL INFORMATION:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

**13. Disposal Consideration****WASTE FROM RESIDUES:**

The product should not be allowed to enter drains, watercourses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

**CONTAMINATED PACKAGING:**

Empty remaining contents. Dispose of as unused product. Do not reuse empty containers.

**14. Transportation Information****INTERNATIONAL REGULATION:****Transportation Regulation: 49 CFR (USA):**

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

**Transportation Regulation: IMDG (Vessel):**

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

**Transportation Regulation: IATA (Cargo Air):**

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

**Transportation Regulation: IATA (Passenger Air):**

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

**Transportation Regulation: TDG (Canada):**

NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

**15. Regulatory Information****TSCA list:** No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS #	Component RQ (lbs)	Calculated Product RQ (lbs)
Xylenes	1330-20-7	100	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards:** No SARA Hazards**SARA 302:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:**

reporting

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) levels established by SARA Title III, Section 313.

**California Prop. 65**

WARNING: This product can expose you to chemicals including ethylbenzene, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**The components of this product are reported in the following inventories:****TSCA:** On TSCA Inventory.**DSL:** This product contains one or several components that are not on the Canadian DSL.

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

**Inventory Acronym and Validity Area Legend:**

TSCA (USA), DSL (Canada), NDSL (Canada)

## 16. Other Information

**N/A = Not Applicable; N/D = Not Determined**

**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.



# ULTRA-TEMP

## ULTRA HIGH TEMPERATURE GREASE

### DESCRIPTION

ULTRA-TEMP SYNTHETIC BLEND GREASE is a metallic silver combination of an olefinic copolymer antiseize compound and a non-soap bentone grease. It is fortified with additives that will provide it with excellent lubricating properties, stability and antiwear protection to metal surfaces.

### COMPOSITION

ULTRA-TEMP is made from mid-continent, high viscosity solvent refined oil, an olefinic copolymer and is fortified with molybdenum disulfide (in submicron) and aluminum.

### PERFORMANCE CHARACTERISTICS

ULTRA-TEMP has a low gumming base. It has no dropping point so that it will not run out when heated. It sticks to the metal and lets the thin film of molybdenum disulfide and aluminum act as the lubricant at elevated temperatures. ULTRA-TEMP is a high temperature antifriction bearing lubricant that functions in high-speed use up to 450°F, slow-speed use up to 750°F. From 750°F through 1100°F, it functions as a dry-film lubricant for heavy load and slow-speed use such as in slides or slow-revolution equipment, with the molybdenum actually plating out to prevent metal to metal contact and surface scuffing. ULTRA-TEMP, when operated at high temperatures for prolonged time intervals, will need to be reapplied more frequently than when used at lower temperatures.

### AREAS OF USE

ULTRA-TEMP has an extremely wide range of applications which include:

- Bearings • Burner Assemblies • Bushings • Chains • Conveyors • Drives
- Furnaces • Gears • Hand/Motor Operated Valves • Kiln Cars • Shakers • Turbines
- And Similar Applications .....

Not a hazardous substance or mixture.

1009100-4 06/18

**DISPOSAL AND/OR SPILL INFORMATION:** If this product is spilled or contaminated and cannot be used, creating the need for disposal, wipe or scrape up material and deposit in a sealable container. Thoroughly clean area with a detergent solution and rinse well with water. **STORAGE:** Keep container closed and away from flames, sparks and hot surfaces.

**CAS NUMBERS:** Petroleum Oil Mixture 64742-52-5 / 64742-53-6; Graphite 7782-42-5; Amorphous Silica 112945-52-5; Aluminum 7429-90-5; Petroleum Distillate 8052-41-3.

**NOTE:** This product does not meet California labeling requirements. It is prohibited for sale and/or use in the state of California.

**KEEP OUT OF REACH OF CHILDREN  
FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY  
NOT FOR HOUSEHOLD USE OR RESALE**

**FOR ADDITIONAL INFORMATION REFERENCE THE PRODUCT SAFETY DATA SHEET (SDS).**

**DIRECTIONS:  
PUMP IN ULTRA-TEMP GREASE UNTIL ALL OLD GREASE COMES OUT.**

2739



An Exclusive Product of:

**PRO CHEM, INC.**  
1475 Bluegrass Lakes Pkwy  
Alpharetta, Georgia 30004  
1-800-241-8180  
www.procheminc.com

**MADE  
IN  
U.S.A.**

**NET CONTENTS: 45 LBS (20.4 KGS)**