



ANTI-SEIZE TECHNOLOGY
A.S.T. Industries, Inc.

WHITE LITHIUM GREASE SAFETY DATA SHEET

Section 1- Product and Company Identification

Product type: Lubricating Grease

Manufacture / Supplier: Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131
Phone: 847-455-2300
Toll Free: 800 991-1106
Web: antiseize.com

Information Phone Number:

Emergency Phone Number: Infotrac 24/7 Phone: 1-800-535-5053 (US & Canada)
or 352-323-3500 (International)

Product Use: Lubrication

Restriction on Use: None known

SDS Date of Preparation: December 17 2018

Section 2-Hazard Identification

GHS Classification (Hazcom 2012): This material is considered hazardous by OSHA Hazard Communication Standard 29CFR 1910.1200

Label Elements: None

Signal word: None

Hazard Phrases: Prolonged or repeated skin contact may cause skin or eye irritation .

Precautionary Phrases: Do not eat, drink or smoke when handling this product. Wash thoroughly after use. Avoid contact with eyes, skin and clothing.

Prevention:

Wash thoroughly after handling

Wear protective gloves if prolonged skin contact is expected

Wear safety glasses

Response:

Eyes: Flush eyes with water, holding the eyelids apart. Remove contact lenses if being worn. Get medical attention if irritation persists.

Skin: Wash with soap and water

Ingestion: If large amounts are ingested, seek medical attention. Do not induce vomiting.

Inhalation: Not likely under normal conditions of use. If used at high temperatures where smoke is formed, use with adequate ventilation or wear an appropriate NIOSH approved respirator. Seek fresh air.

Storage:

When not in use keep container closed
Keep away from children

Disposal: Dispose of contents in accordance with local, regional and national regulations.

Other Hazards: No data

Section 3- Composition/ Information on Ingredients

Ingredient	CAS #	%
Distillates (petroleum), Hydrotreated heavy naphthenic	64742-47-5	90-95
Octadecanoic Acid, 12 Hydroxy Monolithium salt	7620-77-1	3-10
Zinc Oxide	1314-13-2	0.5-1.5
1,2,3 Propanetriol (Glycerol)	56-81-5	1-5
Titanium Dioxide	13463-67-7	0.5-1.5

The specific identity and/or exact percentage of composition has been withheld as a trade secret. There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified to health or the environment and hence require reporting in this section.

Section 4 – First Aid Measures

Skin: Wash with soap and water, using a nail brush. Pay particular attention to finger nails and open wounds.

Eyes: Flush eye with water for 15 minutes, lifting the eyelids. If irritation persists consult a physician.

Ingestion: If ingested this product is not expected to cause an acute reaction. This product contains petroleum oil; **do not induce vomiting**, because the oil may be aspirated into the lungs. Use a gastric lavage, and call a poison control center or a physician.

Inhalation: Not likely under normal conditions of use. If using in high temperature applications where thermal decomposition is likely, use a local exhaust to remove fumes. If dizziness or irritation occurs, seek fresh air.

Most Important symptoms and effects, both acute and delayed: Skin irritation or redness for prolonged or repeated skin contact.

Section 5 – Fire Fighting Measures

Suitable and Unsuitable Extinguishing Media: Use water spray or fog, foam, carbon dioxide or dry chemical.

Special Hazards Arising from the Chemical: This compound will not burn unless it is pre-heated. Water fog may be used to cool the containers but do not spray directly into large containers of burning liquids as frothing may occur. Dense smoke and noxious or toxic fumes may be generated in a fire. Thermal decomposition may yield oxides of carbon.

Special Equipment and Precautions for Fire-Fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

Section 6 – Accidental Release Measures

Spill/ leakage procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Wear appropriate respirator when ventilation is inadequate. Do not return spilled material into original container as it may contaminate the product.

Environmental Hazards: Report spills and releases as required to appropriate authorities. As with any petroleum based product, do not flush into sewers or waterways.

Methods and Materials for Containment and Clean up.

Collect spills with an absorbent material and place into a suitable container for proper disposal. Clean area with soap and water.

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment. Use caution: slip hazard.

Environmental Hazards: Report spills and releases as required to appropriate authorities.

Methods and Material for Containment and Cleaning Up: Collect spill with an inert absorbent material and place into a suitable container for disposal. Clean area thoroughly.

Section 7 – Handling and Storage

Precautions for Safe Handling: Use appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking or smoking. Avoid contact with eyes. Avoid prolonged skin contact. Remove any contaminated clothing. Do not transfer to unlabeled containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials. Keep container tightly closed and sealed until ready for use.

Keep container upright to prevent leakage. Do not store in unlabeled containers.

Section 8 – Exposure Controls / Personal Protection

Chemical Name	Exposure Limits
Distillates (petroleum), Hydrotreated heavy naphthenic	5 mg/m ³ TWA ACGIH TLV (inhalable) 5 mg/m ³ TWA OSHA PEL
Zinc Oxide	2mg/m ³ TWA ACGIH (inhalable) 5mg/m ³ PEL OSHA (inhalable)
Titanium Dioxide	10mg/m ³ TWA ACGIH TLV 10mg/m ³ TWA OSHA PEL

Engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual Protection Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking at the end of the work period. Approved techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Respiratory Protection: Use a properly fitted respirator complying with an approved standard if a risk assessment indicates this is necessary.

Eye/Face Protection: Safety glasses with side shields are recommended to avoid contact with eyes.

Skin Protection: Normally not required unless prolonged or repeated skin contact is expected. If prolonged skin contact is expected then use petroleum resistant gloves such as neoprene gloves.

Section 9 – Physical and Chemical Properties

Boiling point: > 600°f

Solubility in water: nil

Melting point: 380°f

Reactivity in water: none

Vapor pressure: no data

Specific gravity: 0.9

Evaporation rate: 0

Percent volatile: <0.5

Appearance and odor: off white colored grease, petroleum like odor.

Section 10 – Stability and Reactivity

Reactivity: This product is stable

Chemical stability: Stable under normal storage and handling conditions.

Conditions to avoid: No specific data

Incompatible Materials: No specific data

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 – Toxicological Information

Potential Health Effects:

Eye: May cause mild irritation.

Skin: Prolonged contact may cause irritation and drying of the skin.

Inhalation: No adverse effects expected at ambient temperatures. Inhalation of vapors and fumes from thermal decomposition may cause respiratory irritation and metal fume fever with symptoms of fever and chills.

Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Chronic Hazards: Prolonged inhalation of thermal decomposition products may result in lung damage.

Carcinogen Status: Zinc Oxide , A4. There is no data available on the mixture itself. Carcinogenicity not suspected for humans.

Acute Toxicity Values:

Distillates (petroleum), Hydrotreated heavy naphthenic: Oral rat LD50 > 5000 mg/kg, inhalation rat LC50: 2.18 mg/L, dermal rabbit LD50 > 2000 mg/kg.

Zinc Oxide, Eyes-Mild irritant, Rabbit, 24 hr. , 500 mg. Skin-mild irritant, Rabbit, 24 hr. 500 mg

Section 12 – Ecological Information

Ecotoxicity: Distillates (petroleum), Hydrotreated heavy naphthenic: Pimephales promelas LL50 > 100 mg/L/96hr.

Zinc Oxide, striped bass (*Morone saxatilis*) LC50, 0.25mg/L, 48 hrs.

Water Flea (*daphnia magna*) LC50, 0.098 mg/L 48 hrs.

Titanium Dioxide *Ceriodaphnia dubia*-Neonate, 48hrs LC50 3mg/l

Daphnia-Daphnia magna-Juvenile LC50 5.5ppm Fresh Water

Bioaccumulative Potential: This product is not expected to be readily biodegradable.

Mobility in Soil: This product is not expected to bioaccumulate through food chains in the environment.

Other Adverse Effects: This product has not been tested for biodegradation. Not expected to be rapidly degradable. .

Section 13 – Disposal Consideration

Waste disposal: Dispose of in a responsible manner. Follow local, state and federal guidelines. Do not discharge into sewers or waterways. Incineration is the preferred method of disposal, although it may be land filled at an approved facility.

Section 14- Transport Information

DOT

Proper Shipping Name: Not Regulated

DOT Hazard Class: None

UN Number: None

Packing Group: None

IMDG

Shipping Description: Not Regulated

Hazard Class: None

Identification Number: None

Packing Group: none

ICAO/IATA

Shipping Description: Not Regulated

ID Number: Not Regulated

Hazard Class: Not Regulated

Packing Group: None

Section 15 – Regulatory Information

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to reporting requirements under CERCLA. However, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA 302/304: No products were found

SARA Hazard Category (311/312): Delayed (Chronic) health hazard.

SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: Form R-Reporting Requirements, Zinc Oxide CAS# 1314-13-2, 1-5%
Supplier Notification, Zinc Oxide CAS# 1314-13-2, 1-5%

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product contains a chemical known to the State of California to cause cancer: Titanium Dioxide

Section 16 – Other Information:

The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of his product. Therefore, because the product may be used under conditions beyond our control, we assume no liability for its use.