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

HI-TEMP EP GREASE
SAFETY DATA SHEET

Section 1- Product and Company Identification

Product type: Grease

Manufacture/Supplier : Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131

Phone: 847-455-2300
Fax: 847-455-2371
Web: antiseize.com
Emergency Phone, 24 hr: Infotrac @ 1-800-535-5053 (US & Canada)
1-352-323-3500 (International)
Date: August 16, 2023

Section 2-Hazard Identification

GHS Classification (Hazcom 2012): This material is not considered hazardous by the OSHA Hazard Communication Standard. This SDS contains valuable information critical to the safe handling and proper use of the product.

Signal word: Not Classified
Hazard Phrases: No known
Prevention: Not applicable
Response: Not applicable
Storage: Not applicable
Disposal: Not applicable

Other Hazards:

Section 3- Composition / Information on ingredients

Ingredient	CAS #	%
Mineral Oil	Mixture	≤ 10
Diboron calcium tetraoxide	13701-64-9	≤5
Benzenesulfonic acid c10-16 alkyl derivative	68584-23-6	≤ 3

The specific identity and / or the exact percentage of composition has been retained as a trade secret.

There are no ingredients present that, within the current knowledge of the supplier and in the applicable concentrations, are classified for health or the environment and, therefore, require a report 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. Remove contaminated clothing. Get medical attention if irritation persists.

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.

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: The viscous nature of this product makes spills unlikely. Use an oil absorbent material and dispose of properly. 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 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: Avoid contact with eyes. Avoid prolonged skin contact Do not transfer to unlabeled containers.

Conditions for Safe Storage, Including any Incompatibilities: Store away from extreme heat and open flames. Store away from oxidizers.

Section 8 - Exposure Controls / Personal Protection

Chemical Name	Exposure Limits
Mineral Oil	5 mg/m3 TWA ACGIH TLV (inhalable) 5 mg/m3 TWA OSHA PEL

Engineering controls: good general ventilation should be sufficient to control the exposure of workers to air pollutants.

Individual protection measures: Wash your hands, forearms and face thoroughly after handling chemicals, before eating and smoking at the end of the work period. Approved techniques should be used to remove potentially contaminated clothing. Wash the contaminated clothing before using it again.

Respiratory protection: Use a well-adjusted respirator that meets an approved standard if a risk assessment indicates that it is necessary.

Eye / face protection: safety glasses with side shields are recommended to avoid contact with the eyes.

Skin protection: normally not required unless prolonged or repeated skin contact is expected. If prolonged skin contact is expected, wear oil resistant gloves such as neoprene gloves.

Section 9 – Physical and Chemical Properties

Physical state: solid (fat)
Green color
Smell: mild oil
pH: not applicable
Melting Point: Not Available
Boiling Point: Not Available
Flash point: not available
Evaporation rate: not available
Flammability (solid, gas): Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat
Lower and upper explosive limit (flammable): not available
Vapor density: not available
Density: 0.96g / cm3
Solubility: insoluble in cold water.
Autoignition temperature: not available
Decomposition temperature: not available
Viscosity: kinematic (40C)> 22cSt
VOC: Not available

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: None of the components of this product are listed as carcinogens by IARC, NTP or OSHA.

Acute Toxicity Values:
Mineral Oil: oral rat LD50> 5000 mg / kg, inhalation rat LC50: 2.18 mg / L, dermal rabbit LD50> 2000 mg / kg
Benzenesulfonic acid derivative c10-16, oral LD50, rat,> 5000mg / kg, LD50 Deraml, rabbit, 2000mg / kg
Calcium dodecylbenzenesulfonate, LD50 oral rat 775 mg / kg

Section 12 – Ecological Information

Ecotoxicity: Not readily biodegradable.

Bioaccumulative Potential: No specific data

Mobility in Soil: No specific data

Other Adverse Effects: This product has not been tested for biodegradation. Not expected to be rapidly degradable. This product is not expected to bioaccumulate through food chains in the environment.

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 Technical Name: None
DOT Hazard Class: None
UN Number: None
DOT Labels Required (49CFR172.101): None

IMDG
Shipping Description: Not regulated
ID Number: None
Hazard Class: None
Packing Group: None
Labels Required: None
Marking Required: None
Placards Required: None

ICAO/IATA
ID Number: None
Hazard Class: None
Packing Group: None
Labels Required: None
Marking Required: None
Placards Required: None

Section 15 – Regulatory Information

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

CERCLA Hazardous Substances (Section 103)/RQ: No
SARA Hazard Category (311/312): Not Hazardous

SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: No
EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product is not known to contain listed chemicals

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.