



## MATERIAL SAFETY DATA SHEET

350 RING ROAD ELIZABETHTOWN, KY 42701 (270) 769-5557 (270) 769-6418

# ANTI-SEIZE PART NO. 49576

### SECTION I – PRODUCT IDENTITY

Description : Aluminum Anti-Seize

### SECTION II – HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>WGT %</u>
Hexane (Mixed Isomers)	110-54-3	500 PPM	Not Estab.	35
Synthetic Graphite	7782-42-5	15mg/m3 (As Respirable Dust)		1
*Aluminum Flake, Aluminum	7429-90-5	10.0MG/M3	Not Estab.	1
Propane	74-98-6	1000 PPM	Asphyxiant	13
Butane	106-97-8	800 PPM	800 PPM	12

*\*Indicates Toxic Chemical(s) Subject to the Reporting Requirements of Section 313 of Title III and of 40 CFR 372.*

### SECTION III – PHYSICAL CHARACTERISTICS

Boiling Point (Range) : -40<sup>0</sup>F - 144<sup>0</sup>F  
Specific Gravity (H<sub>2</sub>O=1) : 0.71  
Vapor Density : Heavier than air  
Evaporation Rate : Slower than ether  
Solubility in Water : Nil  
Appearance and Odor : Aerosol product

### SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point : -156<sup>0</sup>F  
Method Used : Estimated  
Flammable Limits in Air by Volume : Lower: 1.2 Upper: 9.5  
Extinguishing Media : Foam, CO<sub>2</sub>, dry chemical, and water fog.  
Special Fire Fighting Procedures : Water spray may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles are preferred. Wear goggles and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards : Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

## SECTION V – REACTIVITY DATA

Stability : Stable  
Conditions to Avoid : Application to hot surfaces. Storage above 120<sup>0</sup>F. Exposure to open flame.  
Incompatibility (Materials to Avoid) : Strong oxidizing agents.  
Hazardous Decomposition or Byproducts : May produce fumes when heated to decomposition. Fumes may contain carbon monoxide.  
Hazardous Polymerization : Will not occur.

## SECTION VI – HEALTH HAZARD DATA

### HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Inhalation : Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired coordination.  
Skin : Contact may dry the skin; prolonged contact may cause moderate irritation.  
Eyes : Liquid or vapor can cause moderate to severe irritation.  
Skin Absorption : Not easily absorbed. Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis.  
Ingestion : Not a likely route of exposure. If swallowed, Do Not induce vomiting. Seek immediate medical advice and/or attention.

### HEALTH HAZARDS (ACUTE AND CHRONIC):

Acute : Eye irritant. Possible skin irritant.  
Chronic : None known.

### CARCINOGENICITY:

NTP Carcinogen : No  
IARC Monographs : No  
OSHA Regulated : No

### Medical Conditions Generally Aggravated by

Exposure : None known.

### EMERGENCY AND FIRST AID PROCEDURES:

Inhalation : Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.  
Skin : Wipe off with towel. Wash with soap and water. Get medical attention if irritation persists

Eyes : Wash immediately with large volumes of Fresh water for at Least 15 minutes. Get medical attention.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is released or Spilled : Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

Waste Disposal Method : Dispose of in Accordance with Local, State and Federal Regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

Precautions to be Taken in Handling and Storing : Store and use in cool, dry, well-ventilated areas. Do Not store above 120<sup>0</sup>F. Do Not puncture or incinerate (burn) cans. Do Not Stick pin, nail or any other sharp object into Opening on top of can. Do Not spray in eyes. Do Not take internally. See product label for Additional information.

Other Precautions : Small pressurized containers of flammable products may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation except that they should Not be stored in basements.

## SECTION VIII – CONTROL MEASURES

Respiratory Protection : None under normal use. Avoid breathing Vapors. In restricted areas, Use approved Chemical/Mechanical filters designed to remove a combination of particles and vapor. In Confined areas, use approved air-line type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Ventilation : Sufficient to prevent inhalation of solvent Vapors. General dilution and/or local exhaust Ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below Acceptable limit and LEL below stated limit.

Protective Gloves : None under Normal Use. Solvent Resistant Required for Prolonged or Repeated Contact.

Eye Protection	: None under normal use; however, use of Safety glasses with splashguards or full face Shield is recommended.
Other Protective Clothing or Equipment	: None under normal use; however, use of solvent resistant aprons or other clothing is Recommended.
Work/Hygienic Practices	: Eye washes and safety showers in the Workplace are recommended.

## SECTION IX – HAZARD COMMUNICATION CODES

### HMIS RATINGS:

Health	: 1
Flammability	: 4
Reactivity	: 0

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 to be obtained From the Use Thereof. Because the Information Contained herein may be applied Under Conditions beyond Our Control, We Assume No Responsibility for Its Use.

Rev. 2/18/02