

# SAFETY DATA SHEET



Revision Date: 05/15/2015  
Revision Number: 001.1

## 1. PRODUCT AND COMPANY INFORMATION

<b>Product Name:</b>	MICA Anti-Seize	<b>Item number(s):</b>	09-01
<b>Product Type/Use:</b>	Lubricant	<b>NSN(s)</b>	8030-00-753-4953
<b>Restriction of Use:</b>	None Identified	<b>Region(s):</b>	U.S.A
<b>Company Address:</b>	Armite Laboratories Inc. 1560 Superior Ave Ste. A-4 Costa Mesa, CA 92627	<b>Telephone:</b>	949 646-9035
		<b>Product Emergency:</b>	<b>CHEM-TEL 800-225-3924</b>

## 2. HAZARD IDENTIFICATION

Signal Word	Hazard Class	Hazard Category	Pictogram(s)
Not classified			None Req'd

**Hazard Statement:** Possible irritant

### Potential Health Effects:

**Routes of Entry:** Eye, Skin, Inhalation (as oil mist), Ingestion

**Skin / Eye contact:** May irritate skin or eyes.

**Inhalation:** Mica (dust or as oil mist) hazardous in case of inhalation

**Ingestion:** Mica hazardous in case of ingestion

**Possible Chronic Health Effects:** Mica (dust or as mist) is hazardous to lungs, mucus membranes. Repeated or prolonged exposure to such substance can produce target organ damage.

### Precautionary Statements

**Prevention:** Wash hands thoroughly after handling. Wear protective eyewear. Wear protective gloves.

**Response:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Storage:** Store at ambient temperatures.

**Disposal:** Follow federal, state and local regulations for disposal. Do not allow to enter sewers or waterways.

Component(s)	CAS Number	Percentage*
Petroleum Hydrocarbons (oil)	*Mixture: 64742-58-1 (53% approx) 64742-01-4 (47% approx)	62-55%*
Silicate minerals, Muscovite Mica* * May contain <0.5% free silica, crystalline quartz	12001-26-2 14808-60-7	38-45% <sup>8</sup>

\*Exact percentage may be a trade secret, concentration range is provided to assist user in providing appropriate protections.

## 4. FIRST AID MEASURES

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention.

**Skin contact:** Wash with soap and water. If hot material contacts the skin, immediately cool before attempting removal. If symptoms develop and persist, seek medical attention.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

**Ingestion:** Do not induce vomiting. Call physician immediately.

# SAFETY DATA SHEET



Revision Date: 05/15/2015  
Revision Number: 001.1

## 5. FIRE FIGHTING MEASURES

- Extinguishing media:** Foam, CO2 or dry chemical.
- Special firefighting procedures:** Water spray may be ineffective Oil will float on water and can spread fire. SCBA recommended.
- Unusual fire or explosion hazard:** Not available.
- Hazardous combustion products:** Fumes, smoke, carbon monoxide, sulfur oxides and toxic gases.

## 6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not allow product to enter sewer or waterways.
- Clean-up method:** Contaminated surfaces will be extremely slippery. Scrape up as much material as possible. Clean residue with soap & water.

## 7. HANDLING AND STORAGE

- Personal Protection:** None needed
- Handling:** Wash thoroughly after handling. Keep container closed.
- Storage:** Keep in a cool, well ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed. Gloves & protective eyewear are always recommended. Respiratory protection not normally required. If oil mist is generated during use, use proper supplied-air respirator protection in confined spaces, if needed. Supply sufficient ventilation so permitted exposure levels are not exceeded.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	NIOSH
Petroleum Hydrocarbons (oil blend)	TVL 5mg/m <sup>3</sup> (oil Mist) 8 hr day	5mg/m <sup>3</sup> for oil mist (total product) for 8/hr	None
Silicate minerals*, Muscovite Mica *May contain <0.5% free silica, crystalline quartz (respirable fraction) CAS# 14808-60-7	*Classified as nuisance dust when less than 1% crystalline silica. TLV-TWA=3mg/m <sup>3</sup> (total dust), 5mg/m <sup>3</sup> (Respirable). If greater than 1% silica, the TLV-TWA=0.1mg/m <sup>3</sup> (Respirable crystalline quarts)	PEL=20 mppcf if less than 1% crystalline silica is present . If greater than 1% crystalline silica, exposure to airborne dust must comply with OSHA PEL for crystalline silica and shall not exceed an 8-hr-time wtd avg limit state in 29CFR 1900.1000 Table Z-1-A, Air contaminants, specifically: <u>10mg/m<sup>3</sup></u> % silica +2	3 mg/m <sup>3</sup> TWAL)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state:** Paste
- Color :** Light grey to light brown
- Odor:** Light petroleum
- Odor threshold:** Not determined
- pH:** Not determined
- Evaporation rate:** Not available
- Vapor Pressure:** Not available
- Vapor density:** Not available
- Relative Density:** Not available
- Solubility in water:** Insoluble
- VOC content:** nil
- Specific gravity:** Not available

# SAFETY DATA SHEET



Revision Date: 05/15/2015  
Revision Number: 001.1

**Kinematic Viscosity:** Not available  
**Autoignition temp:** Not determined

**Flash point (COC):** >.300+° F  
**Flammable/Explosive Upper/lower limits:** Not available

## 10. STABILITY AD REACTIVITY

**Stability:** Stable under normal conditions  
**Conditions to avoid:** None known

**Incompatible Materials:** Oxidizing agents such as liquid chlorine, concentrated O<sub>2</sub>, sodium hypochlorite, calcium hyperchlorite as explosion may occur.

**Hazardous decomposition:** None known

## 11. TOXICOLOGICAL INFORMATION

**Relevant routes of exposure:** Inhalation, Ingestion

**Potential Health Effects/Symptoms**

**Inhalation:** Not considered to be an inhalation hazard unless oil mist is generated in use.

**Skin contact:** May to be slightly irritating skin. May cause and allergic reaction in sensitive person. Wear gloves if sensitive.

**Eye contact:** May to be slightly irritating to the eyes *if oil mist is generated*. Wear protective goggles or face mask.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not induce vomiting.

**Effects of long term exposure:** Repeated & prolonged exposure to the DUST of crystalline silica may cause chronic lung injury (silicosis).

Hazardous Component(s)	LD50s and LC50s		Immediate and Delayed Effects
Petroleum Hydrocarbons (oil blend)	(acute oral) LD50 (rat)>5g/kg of body weight  (acute dermal) LD50 (rabbit) >3.16 g/kg of body weight.		Repeated and prolonged overexposure to oil/or oil mist may cause irritation, inflammation and increased incidence of infection.
Mica contain *Phyllosilicate mineral <0.5% free silica, crystalline quartz	Not available		This substance is toxic to lungs, mucus membranes.Repeated & prolonged exposure to the DUST of crystalline silica may cause chronic lung injury (silicosis).
Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Petroleum Hydrocarbons (oil blend)	Not classified	Not Classified	Not Classified
Mica contain *Phyllosilicate mineral <0.5% free silica, crystalline quartz <b>"DUST"</b>	Anticipated (Silica, crystalline quartz DUST)	Not Classified	Not Classified

## 12. ECOLOGICAL INFORMATION

**Ectotoxicity:** No ectotoxicity data was found for this product

**Products of biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

## 13. DISPOSAL CONSIDERATIONS

# SAFETY DATA SHEET



Revision Date: 05/15/2015  
Revision Number: 001.1

This product does not meet the definition of hazardous waste under U.S. EPA Hazardous Waste Regulations.

**Recommended method of disposal:** Dispose of in approved landfills and follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:** Not a RCRA hazardous waste.

## 14. TRANSPORTATION INFORMATION

**US Dept of Transportation (49 CFR):** Not Regulated

**Water Transportation (IMO/IMDG):** Not Regulated

**Int'l Air Transportation (ICSO/IATA):** Not Regulated

## 15. REGULATORY INFORMATION

### United States Regulatory Information

**TSCA:** None

**CERCLA –** Not listed.

**SARA Section 302 EHS:** None listed.

**SARA Section 311/312:** None

**SARA Section 313:** None

**CALIFORNIA PROPOSITION 65:** No California Proposition 65 listed chemicals are known to be present.

**Canada DSL Status:** All components are listed.

**WHMIS (Canada):** Not regulated

## 16. OTHER INFORMATION

Prepared by: Armite Laboratories Inc.

Original Issue date: April 1, 2015

**Disclaimer:** The information contained herein is believed to be reliable. However, Armite Laboratories does not assume responsibility for any results obtained by anyone over whose methods Armite has no control. It is the user's responsibility to determine the suitability of any of Armite's products or any production method mentioned herein for a particular use or purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Armite's products. As such, Armite Laboratories specifically disclaims all warranties or guarantees, expressed or implied, as to the suitability of a particular purpose, arising from the sales or use of any Armite product. Armite Laboratories Inc. further disclaims any liability for consequential or incidental damages of any, including loss of profits.