

SAFETY DATA SHEET

Revision Date: 5/19/2020
Revision Number: 001.5



1. PRODUCT AND COMPANY INFORMATION

Product Name:	MICA Anti-Seize	Item number(s):	09-01
Product Type/Use:	Lubricant	NSN(s)	6850-00-753-4953
Restriction of Use:	None Identified	Region(s):	U.S.A
Company Address:	Armite Laboratories Inc. dba Armite Lubricants 1218 Commerce Court Suite B Lafayette, CO 80026	Telephone:	949 646-9035
		Product Emergency:	CHEM-TEL 800-225-3924

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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%8

*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: 5/19/2020
Revision Number: 001.5



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 ³ (oil Mist) 8 hr day	5mg/m ³ 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 ³ (total dust), 5mg/m ³ (Respirable). If greater than 1% silica, the TLV-TWA=0.1mg/m ³ (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/m³</u> % silica +2	3 mg/m ³ 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: 5/19/2020
Revision Number: 001.5



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 O2, sodium hypochlorite, calcium hyperchlorite as explosion may occur. Hazardous decomposition: None known
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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) Mica contain *Phyllosilicate mineral <0.5% free silica, crystalline quartz	(acute oral) LD50 (rat)>5g/kg of body weight (acute dermal) LD50 (rabbit) >3.16 g/kg of body weight. Not available		Repeated and prolonged overexposure to oil/or oil mist may cause irritation, inflammation and increased incidence of infection. This substance is toxic to lungs, mucus membranes.Repeated & prolonged exposure to the DUST of crystalline silica mav cause chronic luna iniurv (silicosis).
Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Petroleum Hydrocarbons (oil blend) Mica contain *Phyllosilicate mineral <0.5% free silica, crystalline quartz "DUST"	Not classified Anticipated (Silica, crystalline quartz DUST)	Not Classified Not Classified	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.

SAFETY DATA SHEET

Revision Date: 5/19/2020
Revision Number: 001.5



13. DISPOSAL CONSIDERATIONS

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.

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