

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 01/13/2026

Reviewed on 01/13/2026

1 Identification

- **Product identifier**
 - **Trade name:** MicrKote™ Anti-Seize Stick - Aluminum
 - **Synonyms:** Aluminum Anti-Seize Stick
- **Other means of identification**
 - **Part number:** 9215
- **Application of the substance / the mixture:** Lubricant
- **Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
TIFCO Industries, Inc
PO Box 40277
Houston, TX 77240
USA
Telephone: 800-868-4326
 - **Emergency telephone number:**
United States: 800-255-3924

2 Hazard(s) identification

- **Classification of the substance or mixture** The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
 - **GHS label elements** Void
 - **Hazard pictograms** Void
 - **Signal word** Void
 - **Hazard statements** Void
- **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable
 - **Classification according to (d)(1)(ii) of § 1910.1200**
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.
 - **Hazards not otherwise classified**
There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
 - **Description:** Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 8002-74-2	Paraffin wax	10 – 30%
	Combustible Dust	
CAS: 8001-78-3	Castor oil	1 – 5%
	Acute toxicity - oral 4, H302; Skin irritation 2, H315; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H335	
CAS: 106-14-9	loxiol g 21	0.5 – 1.5%
	Skin irritation 2, H315; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H335	

4 First-aid measures

- **Description of first aid measures**
 - **General information:** No special measures required.
 - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
 - **After skin contact:** Generally the product does not irritate the skin.
 - **After eye contact:** Rinse opened eye for several minutes under running water.
 - **After swallowing:** If symptoms persist consult doctor.

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- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
 - **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
 - **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation
 - Wear protective clothing.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Dispose of the collected material according to regulations.
- **Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling** No special measures required.
 - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Not required
 - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
 - **Components with limit values that require monitoring at the workplace:**
 - The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
 - At this time, the other constituents have no known exposure limits.

CAS: 8002-74-2 Paraffin wax

REL	Long-term value: 2 mg/m³
TLV	Long-term value: 2 mg/m³

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
 - **Appropriate engineering controls** No further data; see section 7.
 - **Personal protective equipment:**
 - **General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.
 - **Protection of hands:**
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - **Material of gloves**
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
 - Nitrile rubber, NBR
 - **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - **Eye protection:** Not required
 - **Body protection:** Protective work clothing

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9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Physical state	Solid
- Color:	Silver-colored
- Odor:	Mild
- Odor threshold:	Not determined
- Melting point/Melting range:	Undetermined
- Boiling point/Boiling range:	> 315 °C (> 599 °F)
- Flammability:	Not determined
- Explosion limits:	
- Lower:	Not determined
- Upper:	Not determined
- Flash point:	≥ 150 °C (≥ 302 °F)
- Auto igniting:	> 300 °C (> 572 °F)
- Decomposition temperature:	Not determined
- pH-value:	Not applicable
- Viscosity:	
- Kinematic:	Not applicable
- Dynamic:	Not applicable
- Solubility in / Miscibility with	
- Water:	Soluble.
- Partition coefficient (n-octanol/water):	Not determined
- Vapor pressure:	Not applicable
- Vapor pressure:	
- Density at 20 °C (68 °F):	≥ 5.00196 – ≤ 5.04118 g/cm³ (≥ 41.74136 – ≤ 42.06865 lbs/gal)
- Relative density	Not determined
- Vapor density	Not applicable
- Particle characteristics	Not determined

- Other information

- Appearance:	
- Form:	Pasty
- Important information on protection of health and environment, and on safety.	
- Ignition temperature:	Product is not selfigniting.
- Danger of explosion:	Product does not present an explosion hazard.
- Solvent content:	
- VOC content:	0.00 %
- Solids content:	85.0 %
- Change in condition	
- Evaporation rate	Not applicable.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
 - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral LD50 71,429 mg/kg (rat)

CAS: 8001-78-3 Castor oil

Oral LD50 2,000 mg/kg (rat)

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CAS: 106-14-9 Ioxiol g 21

Oral LD50 10,000 mg/kg (rat)

- Primary irritant effect:**- on the skin:** No irritant effect.**- on the eye:** No irritating effect.**- Sensitization:** No sensitizing effects known.**- Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- Interactive effects No interactive effects between components are known.**- Carcinogenic categories****- IARC (International Agency for Research on Cancer)**

CAS: 14808-60-7 Crystalline Silica

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- NTP (National Toxicology Program)

CAS: 14808-60-7 Crystalline Silica

K

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

- Alternative sources for toxicological information No non-standard sources for toxicological information where used.

12 Ecological information

- Toxicity**- Aquatic toxicity:** No further relevant information available.**- Persistence and degradability** No further relevant information available.**- Bioaccumulative potential** No further relevant information available.**- Mobility in soil** No further relevant information available.**- Results of PBT and vPvB assessment****- PBT:** Not applicable**- vPvB:** Not applicable**- Other adverse effects****- Additional ecological information:****- General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- Waste treatment methods**- Recommendation:** Smaller quantities can be disposed of with household waste.**- Uncleaned packagings:****- Recommendation:** Disposal must be made according to official regulations.**- Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- UN-Number**- DOT, IMDG, IATA**

not regulated

- UN proper shipping name**- DOT, IMDG, IATA**

not regulated

- Transport hazard class(es)**- DOT, ADN, IMDG, IATA****- Class**

not regulated

- Packing group**- DOT, IMDG, IATA**

not regulated

- Environmental hazards:

Not applicable

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

- Special precautions for user

Not applicable

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- **UN "Model Regulation":** not regulated

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

- Sara

- Section 355 (extremely hazardous substances):

None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):

CAS: 7429-90-5 | aluminium powder (stabilized)

- TSCA (Toxic Substances Control Act):

Paraffin wax	ACTIVE
Castor oil	ACTIVE
loxiol g 21	ACTIVE
aluminium powder (stabilized)	ACTIVE
sebacic acid	ACTIVE
molybdenum disulphide	ACTIVE
Crystalline Silica	ACTIVE

- Hazardous Air Pollutants

None of the ingredients is listed.

- Proposition 65

- Chemicals known to cause cancer:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- Carcinogenic categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- TLV (Threshold Limit Value)

CAS: 14808-60-7 | Crystalline Silica A2

- NIOSH-Ca (National Institute for Occupational Safety and Health)

CAS: 14808-60-7 | Crystalline Silica

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Classification System:

- HMIS-ratings (scale 0 - 4)

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

- NFPA ratings (scale 0 - 4)

0	1	0	Health = 0
			Fire = 1
			Reactivity = 0

- **Date of previous version** 12/09/2025

- **Version number of previous version:** 4

- **Date of preparation** 01/13/2026

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- Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute toxicity - oral 4: Acute toxicity – Category 4
Skin irritation 2: Skin corrosion/irritation – Category 2
Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3

- * Data compared to the previous version altered.**- Disclaimer**

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