

Safety Data Sheet
acc. to OSHA HCS

Printing date 08/15/2024

Reviewed on 08/15/2024

*** 1 Identification**

- **Product identifier**
 - **Trade name:** Vibra-TITE® Anti-Seize
 - **Synonyms:** 9070 Aluminum Anti-Seize Stick
 - **Part number:** VTS9070
 - **Application of the substance / the mixture** Lubricant
- **Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
ND Industries, Inc
1000 North Crooks Road
Clawson, MI 48017
USA
Telephone: +1-248-288-0000
Email: info@ndindustries.com
Website: www.ndindustries.com
 - **Information department:** Product Safety Department
 - **Emergency telephone number:**
United States: 1-800-424-9300
International: +1-703-527-3887

*** 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.

*** 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 Combustible Dust | 10 – 19% |
| CAS: 8001-78-3 | Castor oil Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335 | 1 – 4% |
| CAS: 106-14-9 | Ioxiol g 21 Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335 | 1 – 4% |

*** 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.
 - **Information for doctor:**
 - **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.

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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

- **Handling:**
 - **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

- **Additional information about design of technical systems:** No further data; see section 7.
- **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/m³TLV Long-term value: 2 mg/m³

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

- Exposure controls

- 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 | |
| - Appearance: | |
| - Form: | Pasty |
| - Color: | Silver-colored |
| - Odor: | Mild |
| - Odor threshold: | Not determined. |
| - pH-value: | Not applicable. |
| - Change in condition | |
| - Melting point/Melting range: | Undetermined. |
| - Boiling point/Boiling range: | > 315 °C (> 599 °F) |
| - Flash point: | ≥ 150 °C (≥ 302 °F) |
| - Flammability (solid, gaseous): | Not determined. |
| - Auto igniting: | > 300 °C (> 572 °F) |
| - Decomposition temperature: | Not determined. |
| - Ignition temperature: | Product is not selfigniting. |
| - Danger of explosion: | Product does not present an explosion hazard. |
| - Explosion limits: | |
| - Lower: | Not determined. |
| - Upper: | Not determined. |
| - Vapor pressure: | Not applicable. |
| - Density at 20 °C (68 °F): | ≥ 5.00196 – ≤ 5.04118 g/cm ³ (≥ 41.74136 – ≤ 42.06865 lbs/gal) |
| - Relative density | Not determined. |
| - Vapor density | Not applicable. |
| - Evaporation rate | Not applicable. |
| - Solubility in / Miscibility with | |
| - Water: | Soluble. |
| - Partition coefficient (n-octanol/water): | Not determined. |
| - Viscosity: | |
| - Dynamic: | Not applicable. |
| - Kinematic: | Not applicable. |
| - Solvent content: | |
| - VOC content: | 0.00 % |
| - Solids content: | 85.0 % |
| - Other information | No further relevant information available. |

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)

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| | | |
|----------------------------------|------|--------------------|
| CAS: 8001-78-3 Castor oil | | |
| Oral | LD50 | 2,000 mg/kg (rat) |
| 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.

- Carcinogenic categories**- IARC (International Agency for Research on Cancer)**

| | | |
|-----------------|--------------------|---|
| CAS: 14808-60-7 | Crystalline Silica | 1 |
|-----------------|--------------------|---|

- NTP (National Toxicology Program)

| | | |
|-----------------|--------------------|---|
| CAS: 14808-60-7 | Crystalline Silica | K |
|-----------------|--------------------|---|

- OSHA-Ca (Occupational Safety & Health Administration)

| | | |
|------------------------------------|--|--|
| None of the ingredients is listed. | | |
|------------------------------------|--|--|

12 Ecological information

- Toxicity- **Aquatic toxicity:** No further relevant information available.- **Persistence and degradability** No further relevant information available.**- Behavior in environmental systems:**- **Bioaccumulative potential** No further relevant information available.- **Mobility in soil** No further relevant information available.**- 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.

- Results of PBT and vPvB assessment- **PBT:** Not applicable.- **vPvB:** Not applicable.- **Other adverse effects** No further relevant information available.

*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. |
| - Special precautions for user | |
| | Not applicable. |

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- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **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:**

CAS: 14808-60-7 Crystalline Silica

- **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.

- **Department issuing SDS:** ND Industries, Inc. - Safety, Health and Environmental Affairs

- **Contact:** Safety, Health and Environmental Affairs

- **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 preparation / last revision** 08/15/2024

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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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