

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 01/29/2024

Reviewed on 01/29/2024

**1 Identification**

**- Product identifier**

- **Trade name:** Vibra-TITE® Anti-Seize
- **Synonyms:** 9070 Aluminum Anti-Seize Compound
- **Part number:** VT9070
- **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 identification**

**- Classification of the substance or mixture**



GHS07

Skin Irritation - Category 2 H315 Causes skin irritation.

**- Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**  
H315 Causes skin irritation.
- **Precautionary statements**  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves.  
P302+P352 If on skin: Wash with plenty of water.  
P321 Specific treatment (see on this label).  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

**\* 3 Composition/Information on ingredients**

**- Chemical characterization: Mixtures**

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

**- Dangerous components:**

CAS: 74869-21-9	Lubricating greases Skin Irritation - Category 2, H315	65 – 85% w/w
CAS: 7429-90-5	aluminium powder (stabilized) Flammable Solids - Category 1, H228; Substances and Mixtures Which, in Contact with Water, Emit Flammable Gases - Category 2, H261	5 – 10% w/w
CAS: 7782-42-5	Graphite Eye Irritation - Category 2A, H319	3 – 7% w/w

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## 4 First-aid measures

### - Description of first aid measures

- **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.

## 5 Fire-fighting measures

### - Extinguishing media

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Water
- **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

- Wear protective equipment. Keep unprotected persons away.
- 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:**  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents  
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:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **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:** Keep receptacle tightly sealed.
  - **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 product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
    - **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

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**- 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.

**- Body protection:** Protective work clothing

### 9 Physical and chemical properties

**- Information on basic physical and chemical properties****- General Information****- Appearance:****- Form:**

Pasty

**- Color:**

Silver-colored

**- Odor:**

Petroleum-like

**- Odor threshold:**

Not determined.

**- pH-value at 20 °C:**

7

**- Change in condition****- Melting point/Melting range:**

&gt; 232 °C

**- Boiling point/Boiling range:**

≥ 2,500 °C

**- Flash point:**

&gt; 232 °C

**- Flammability (solid, gaseous):**

Contact with water liberates extremely flammable gases.

**- Auto igniting:**

400 °C

**- 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 determined.

**- Density at 20 °C:**~ 1.145 g/cm<sup>3</sup>**- Relative density**

Not determined.

**- Vapor density**

Not determined.

**- Evaporation rate**

Not determined.

**- Solubility in / Miscibility with****- Water:**

Not miscible or difficult to mix.

**- Partition coefficient (n-octanol/water):** Not determined.**- Viscosity:****- Dynamic:**

Not determined.

**- Kinematic:**

Not determined.

**- Solvent content:****- VOC content:**

0.00 %

0.0 g/l / 0.00 lb/gal

**- Solids content:**

10.0 %

**- 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** Contact with water releases flammable gases.**- Conditions to avoid** No further relevant information available.**- Incompatible materials:** No further relevant information available.

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- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**- **Acute toxicity:**- **Primary irritant effect:**- **on the skin:** No irritant effect.- **on the eye:** No irritating effect.- **Sensitization:** No sensitizing effects known.- **Additional toxicological information:**- **Carcinogenic categories**- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

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:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.- **Uncleaned packagings:**- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **UN-Number**- **DOT/TDG, ADR, ADN, IMDG, IATA**

not regulated

- **UN proper shipping name**- **DOT/TDG, ADR, ADN, IMDG, IATA**

not regulated

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

not regulated

- **Packing group**- **DOT/TDG, ADR, IMDG, IATA**

not regulated

- **Environmental hazards:**- **Marine pollutant:**

No

- **Special precautions for user**

Not applicable.

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

Not applicable.

- **UN "Model Regulation":**

not regulated

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## 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):**

aluminium powder (stabilized)

ACTIVE

Graphite

ACTIVE

**- Canadian substance listings:**

**- Canadian Domestic Substances List (DSL)**

CAS: 7782-42-5 | Graphite

**- Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

**- Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

**- Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

**- 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	1	Health = 1
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

**- NFPA ratings (scale 0 - 4)**

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

**- Date of the latest revision of the safety data sheet** 01/29/2024

**- 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)  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative

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

**- Disclaimer**

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