

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:** 9071 Copper Anti-Seize Compound
- **Part number:** VT9071
- **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



GHS08 Health hazard

Carcinogenicity - Category 1A

H350 May cause cancer.

Specific Target Organ Toxicity - Repeated Exposure - Category 1 H372 Causes damage to organs through prolonged or repeated exposure.



GHS07

Eye Irritation - Category 2A

H319 Causes serious eye irritation.

- Label elements

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

- Hazard pictograms



GHS07 GHS08

- **Signal word** Danger

- Hazard-determining components of labeling:

Soapstone

- Hazard statements

H319 Causes serious eye irritation.

H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

- Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

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P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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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	45 – 70% w/w
CAS: 14807-96-6	Soapstone Carcinogenicity - Category 1A, H350; Specific Target Organ Toxicity - Repeated Exposure - Category 1, H372	7 – 13% w/w
CAS: 1317-65-3	Calcium Carbonate Skin Irritation - Category 2, H315	5 – 10% w/w
CAS: 12001-26-2	Mica	1 – 5% w/w
CAS: 7440-50-8	copper	1 – 5% w/w

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.

- 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.

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- Control parameters**- Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

CAS: 1317-65-3 Calcium Carbonate	
EL (Canada)	STEL: 20* mg/m ³ TWA: 10* 3** mg/m ³ *total dust; **respirable fraction
CAS: 12001-26-2 Mica	
EL (Canada)	TWA: 3 mg/m ³
EV (Canada)	TWA: 3(D) mg/m ³ respirable
PEL (USA)	TWA: 20 mppcf ppm <1% crystalline silica
REL (USA)	TWA: 3* mg/m ³ *respirable dust; containing < 1% quartz
TLV (USA)	TWA: 0.1 mg/m ³ *resp.fraction
CAS: 7440-50-8 copper	
EL (Canada)	TWA: 1* 0.2** mg/m ³ *dusts and mists; **fume, as Cu
EV (Canada)	TWA: 0.2* 1** mg/m ³ as copper, *fume; **dust and mists
PEL (USA)	TWA: 1* 0.1** mg/m ³ as Cu *dusts and mists **fume
REL (USA)	TWA: 1* 0.1** mg/m ³ as Cu *dusts and mists **fume
TLV (USA)	TWA: 1* 0.2** mg/m ³ *dusts and mists; **fume; as Cu

- 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

- 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:

Bronze colored

- Odor:

Petroleum-like

- Odor threshold:

Not determined.

- pH-value at 20 °C:

7

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

> 232 °C

- Boiling point/Boiling range:

Undetermined.

- Flash point:

> 221 °C

- Flammability (solid, gaseous):

Not applicable.

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- Auto igniting:	> 260 °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:	~ 1.09 g/cm ³
- 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 at 20 °C:	100,000 mPas
- Kinematic:	Not determined.
- Solvent content:	
- VOC content:	0.00 % 0.0 g/l / 0.00 lb/gal
- Solids content:	37.8 %
- 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:**
 - **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)

CAS: 14807-96-6 | Soapstone

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- 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.

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- 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

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: 7440-50-8 copper

- TSCA (Toxic Substances Control Act):

Soapstone	ACTIVE
Calcium Carbonate	ACTIVE
Mica	ACTIVE
copper	ACTIVE

- Canadian substance listings:**- Canadian Domestic Substances List (DSL)**

CAS: 14807-96-6 Soapstone

CAS: 12001-26-2 Mica

CAS: 7440-50-8 copper

- Canadian Non-Domestic Substances List (NDSL)

CAS: 1317-65-3 Calcium Carbonate

- Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

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- Canadian Ingredient Disclosure list (limit 1%)

CAS: 12001-26-2 Mica

CAS: 7440-50-8 copper

- **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	2	Health = *2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

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

2	1	0	Health = 2
			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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