

Safety Data Sheet
according to HPR, Schedule 1

Printing date 01/08/2025

Reviewed on 01/08/2025

1 Identification

- Product identifier

- **Trade name:** Vibra-TITE® Anti-Seize
- **Synonyms:** 9071 Copper Anti-Seize Stick
- **Part number:** VTS9071
- **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** 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

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 Dusts - Category 1	10 – 30% w/w *
CAS: 8001-78-3	Castor oil Acute Toxicity (Oral) - Category 4, H302; Skin Irritation - Category 2, H315; Eye Irritation - Category 2A, H319; Specific Target Organ Toxicity - Single Exposure - Category 3, H335	1 – 5% w/w *
CAS: 7440-50-8	copper	0.5 – 1.5% w/w *
CAS: 106-14-9	loxiol g 21 Skin Irritation - Category 2, H315; Eye Irritation - Category 2A, H319; Specific Target Organ Toxicity - Single Exposure - Category 3, H335	0.5 – 1.5% w/w *
CAS: 14808-60-7	Crystalline Silica Carcinogenicity - Category 1A, H350; Specific Target Organ Toxicity - Repeated Exposure - Category 1, H372	0.1 – 1% w/w *

* Actual concentration ranges are withheld as a trade secret.

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.

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- 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.
- **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: 8002-74-2 Paraffin wax	
EL (Canada)	TWA: 2 mg/m ³
EV (Canada)	TWA: 2 mg/m ³ fume
REL (USA)	TWA: 2 mg/m ³
TLV (USA)	TWA: 2 mg/m ³
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
CAS: 14808-60-7 Crystalline Silica	
EL (Canada)	TWA: 0.025 mg/m ³ ACGIH A2; IARC 1

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EV (Canada)	TWA: 0.10* mg/m ³ *respirable fraction
PEL (USA)	TWA: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /%SiO ₂ +2
REL (USA)	TWA: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV (USA)	TWA: 0.025* mg/m ³ *respirable particulate matter, A2

- **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

9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Appearance:

- Form:	Pasty
- Color:	Bronze 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

- **Flash point:** ≥ 150 °C

- **Flammability:** Not determined.

- **Auto igniting:** > 300 °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 applicable.

- **Density at 20 °C:** ≥ 5.00196 – ≤ 5.04118 g/cm³

- 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.

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- 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)

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

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- NTP (National Toxicology Program)

CAS: 14808-60-7 Crystalline Silica

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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.

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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/TDG, ADR, IMDG, IATA** not regulated

- UN proper shipping name

- **DOT/TDG, ADR, 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:

Not applicable.

- 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):

Paraffin wax	ACTIVE
Castor oil	ACTIVE
copper	ACTIVE
loxiol g 21	ACTIVE
sebacic acid	ACTIVE
molybdenum disulphide	ACTIVE
Crystalline Silica	ACTIVE

- Canadian substance listings:

- Canadian Domestic Substances List (DSL)

CAS: 8002-74-2	Paraffin wax
CAS: 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic
CAS: 8001-78-3	Castor oil
CAS: 7440-50-8	copper
CAS: 106-14-9	loxiol g 21
CAS: 111-20-6	sebacic acid
CAS: 1317-33-5	molybdenum disulphide
CAS: 14808-60-7	Crystalline Silica

- 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.

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- Canadian Ingredient Disclosure list (limit 1%)

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 Affaires- **Contact:** Safety, Health and Environmental Affaires- **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 the latest revision of the safety data sheet** 01/08/2025 / 1- **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

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