

**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:** 9072 Nickel Anti-Seize
- **Part number:** VT9072
- **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

Specific Target Organ Toxicity - Repeated Exposure - Category 1 H372 Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS07

Skin Sensitizer - Category 1

H317 May cause an allergic skin reaction.

**- 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:**

Nickel

**- Hazard statements**

H317 May cause an allergic skin reaction.  
H372 Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.

**- Precautionary statements**

- 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.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves.
- P302+P352 If on skin: Wash with plenty of water.
- P314 Get medical advice/attention if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P321 Specific treatment (see on this label).
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

# Safety Data Sheet

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(Contd. of page 1)

## 3 Composition/Information on ingredients

### - Chemical characterization: Mixtures

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

### - Dangerous components:

CAS: 7440-02-0	Nickel Flammable Solids - Category 2, H228; Carcinogenicity – Category 2, H351; Specific Target Organ Toxicity - Repeated Exposure - Category 1, H372; Skin Sensitizer - Category 1, H317	≥ 5 – ≤ 30% 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	≥ 1 – ≤ 5% w/w

## 4 First-aid measures

### - Description of first aid measures

#### - General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

#### - After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **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 contaminated material as waste according to section 13.

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.

(Contd. on page 3)

## Safety Data Sheet

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Printing date 01/29/2024

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Trade name: Vibra-TITE® Anti-Seize

(Contd. of page 2)

### \* 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:**

CAS: 7440-02-0 Nickel	
EL (Canada)	TWA: 0.05 mg/m <sup>3</sup> ACGIH A1, IARC 2B
EV (Canada)	TWA: 1 mg/m <sup>3</sup> Inhalable fraction
PEL (USA)	TWA: 1 mg/m <sup>3</sup>
REL (USA)	TWA: 0.015 mg/m <sup>3</sup> as Ni; See Pocket Guide App. A
TLV (USA)	TWA: 1.5* mg/m <sup>3</sup> elemental, *inhalable fraction, A5, BEI
CAS: 7429-90-5 aluminium powder (stabilized)	
EL (Canada)	TWA: 1.0 mg/m <sup>3</sup> respirable, as Al
EV (Canada)	TWA: 5 mg/m <sup>3</sup> aluminium-containing (as aluminium)
PEL (USA)	TWA: 15*; 5** mg/m <sup>3</sup> *Total dust; ** Respirable fraction
REL (USA)	TWA: 10* 5** mg/m <sup>3</sup> as Al*Total dust**Respirable/pyro powd./welding f.
TLV (USA)	TWA: 1* mg/m <sup>3</sup> as Al; *as respirable fraction, A4

- **Ingredients with biological limit values:**

CAS: 7440-02-0 Nickel	
BEI (USA)	5 µg/L Medium: urine Time: post-shift at end of workweek Parameter: Nickel (background)
	30 µg/L Medium: urine Time: post-shift at end of workweek Parameter: Nickel (background)

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

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.

- **Protection of hands:**



Protective gloves

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

(Contd. on page 4)

# Safety Data Sheet

according to HPR, Schedule 1

Printing date 01/29/2024

Reviewed on 01/29/2024

Trade name: Vibra-TITE® Anti-Seize

(Contd. of page 3)

## \* 9 Physical and chemical properties

<b>- Information on basic physical and chemical properties</b>	
<b>- General Information</b>	
<b>- Appearance:</b>	
- Form:	Pasty
- Color:	Silver grey
- Odor:	Mild
- Odor threshold:	Not determined.
- pH-value:	Not applicable.
<b>- Change in condition</b>	
- Melting point/Melting range:	Undetermined.
- Boiling point/Boiling range:	≥ 2,730 °C
- Flash point:	218.3 °C
- Flammability (solid, gaseous):	Not determined.
- Decomposition temperature:	Not determined.
- Ignition temperature:	Product is not selfigniting.
- Danger of explosion:	Product does not present an explosion hazard.
<b>- Explosion limits:</b>	
- Lower:	Not determined.
- Upper:	Not determined.
- Vapor pressure:	Not applicable.
- Density at 20 °C:	≥ 2.05435 – ≤ 30.015 g/cm <sup>3</sup>
- Relative density	Not determined.
- Vapor density	Not applicable.
- Evaporation rate	Not applicable.
<b>- Solubility in / Miscibility with</b>	
- Water:	Insoluble.
- Partition coefficient (n-octanol/water):	Not determined.
<b>- Viscosity:</b>	
- Dynamic:	Not applicable.
- Kinematic:	Not applicable.
<b>- Solvent content:</b>	
- VOC content:	0.00 %
- Solids content:	100.0 %
- 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:

Oral LD50 &gt; 9,000 mg/kg (rat)

- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

(Contd. on page 5)

# Safety Data Sheet

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Printing date 01/29/2024

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Trade name: Vibra-TITE® Anti-Seize

(Contd. of page 4)

**- Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

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

CAS: 7440-02-0   Nickel	2B
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**- NTP (National Toxicology Program)**

CAS: 7440-02-0   Nickel	R
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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 2 (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

**- 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, 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:**

**- 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.

(Contd. on page 6)

# Safety Data Sheet

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(Contd. of page 5)

**- Section 313 (Specific toxic chemical listings):**

All ingredients are listed.

**- TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

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

CAS: 7440-02-0 Nickel

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

None of the ingredients is listed.

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

CAS: 7440-02-0 Nickel

**- 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	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** 01/29/2024**- 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)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative

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

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