

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 01/23/2024

Reviewed on 01/23/2024

**1 Identification****- Product identifier**

- **Trade name:** Vibra-TITE® Gasket Maker
- **Synonyms:** 954 Self-Leveling Silicone RTV
- **Part number:** VT954
- **Application of the substance / the mixture**
  - Sealing
  - Sealant

**- 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**

GHS07

Skin Irritation 2 H315 Causes skin irritation.  
Eye Irritation 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

**- Signal word** Warning**- Hazard statements**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

**- Precautionary statements**

P264 Wash thoroughly after handling.  
P280 Wear eye protection / face protection.  
P302+P352 If on skin: Wash with plenty of water.  
P321 Specific treatment (see on this label).  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P337+P313 If eye irritation persists: Get medical advice/attention.

**- Other hazards****- Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 2)

# 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: 2224-33-1 | Vinyl tri (methylethylketoxime)<br>Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227 | 1 – 4% |
| CAS: 919-30-2  | Aminosilane<br>Skin Corrosion 1B, H314; Acute Toxicity - Oral 4, H302  | 1 – 4% |

### 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:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

**- Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

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**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

**- 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.

(Contd. on page 3)

# Safety Data Sheet

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Trade name: Vibra-TITE® Gasket Maker

(Contd. of page 2)

**- 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.**- Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**- 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:**

Highly viscous

**- Color:**

According to product specification

**- Odor:**

Mild

**- Odor threshold:**

Not determined.

**- pH-value:**

Not determined.

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

Undetermined.

**- Boiling point/Boiling range:**

&gt; 140 °C (&gt; 284 °F)

**- Flash point:**

&gt; 315 °C (&gt; 599 °F)

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

Not applicable.

**- Auto igniting:**

400 °C (752 °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 at 25 °C (77 °F):**

≤ 7 hPa (≤ 5.3 mm Hg)

**- Density at 20 °C (68 °F):**~ 1.03 g/cm<sup>3</sup> (~ 8.59535 lbs/gal)**- 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.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/23/2024

Reviewed on 01/23/2024

Trade name: Vibra-TITE® Gasket Maker

(Contd. of page 3)

|                            |  |
|----------------------------|--|
| - <b>Solvent content:</b>  |  |
| - <b>VOC content:</b>      | 0.00 %<br>0.0 g/l / 0.00 lb/gal            |
| - <b>Solids content:</b>   | 20.0 %                                     |
| - <b>Other information</b> | 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:**

|   |          |              |
|---|----------|--------------|
| - <b>LD/LC50 values that are relevant for classification:</b> |          |              |
| <b>ATE (Acute Toxicity Estimate)</b>                          |          |              |
| Oral  | LD50     | 17,115 mg/kg |
| Inhalative  | LC50/4 h | 440 mg/l     |

|   |          |                      |
|---|----------|----------------------|
| <b>CAS: 2224-33-1 Vinyl tri (methylethylketoxime)</b> |          |                      |
| Oral  | LD50     | 500 mg/kg (ATE)      |
| Inhalative  | LC50/4 h | 11 mg/l (ATE)        |
| <b>CAS: 919-30-2 Aminosilane</b>                      |          |                      |
| Oral  | LD50     | 1,780 mg/kg (rat)    |
| Dermal  | LD50     | 4,000 mg/kg (rabbit) |

- **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**

|   |  |
|---|--|
| - <b>IARC (International Agency for Research on Cancer)</b> |  |
| None of the ingredients is listed.                          |  |

|  |  |
|--|--|
| - <b>NTP (National Toxicology Program)</b> |  |
| None of the ingredients is listed.         |  |

|  |  |
|--|--|
| - <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b> |  |
| 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.
- **Ecotoxicological effects:**
  - **Remark:** Toxic for fish
- **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.
    - Also poisonous for fish and plankton in water bodies.
    - Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 01/23/2024

Reviewed on 01/23/2024

Trade name: Vibra-TITE® Gasket Maker


(Contd. of page 4)

- **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

|  |  |
|--|--|
| - <b>UN-Number</b><br>- <b>DOT, IMDG, IATA</b>   | UN3082   |
| - <b>UN proper shipping name</b><br>- <b>DOT</b><br><br>- <b>IMDG</b><br><br>- <b>IATA</b>   | Environmentally hazardous substance, liquid, n.o.s. (Polydimethylsiloxane, trimethyl terminated)<br>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polydimethylsiloxane, trimethyl terminated), MARINE POLLUTANT<br>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polydimethylsiloxane, trimethyl terminated) |
| - <b>Transport hazard class(es)</b><br>- <b>DOT, IMDG, IATA</b><br><br><br><br>- <b>Class</b><br>- <b>Label</b>                       | 9 Miscellaneous dangerous substances and articles<br>9   |
| - <b>Packing group</b><br>- <b>DOT, IMDG, IATA</b>   | III  |
| - <b>Environmental hazards:</b><br>- <b>Marine pollutant:</b><br><br>- <b>Special marking (IATA):</b>  | Yes<br>Symbol (fish and tree)<br>Symbol (fish and tree)  |
| - <b>Special precautions for user</b><br>- <b>Hazard identification number (Kemler code):</b><br>- <b>EMS Number:</b><br>- <b>Stowage Category</b>   | Warning: Miscellaneous dangerous substances and articles<br>90<br>F-A,S-F<br>A   |
| - <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>   | Not applicable.  |
| - <b>Transport/Additional information:</b><br><br>- <b>DOT</b><br>- <b>Quantity limitations</b><br><br>- <b>Remarks:</b><br><br>- <b>IMDG</b><br>- <b>Limited quantities (LQ)</b><br>- <b>Excepted quantities (EQ)</b> | On passenger aircraft/rail: 450 L<br>On cargo aircraft only: 450 L<br>Special marking with the symbol (fish and tree).<br><br>5L<br>Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml   |
| - <b>UN "Model Regulation":</b>  | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (POLYDIMETHYLSILOXANE, TRIMETHYL TERMINATED), 9, III   |

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

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Reviewed on 01/23/2024

Trade name: Vibra-TITE® Gasket Maker

(Contd. of page 5)

**- Sara****- Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

All components have the value ACTIVE.

**- Hazardous Air Pollutants**

None of the ingredients is listed.

**- Proposition 65****- Chemicals known to cause cancer:**

None of the ingredients is listed.

**- 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)**

None of the ingredients is listed.

**- NIOSH-Ca (National Institute for Occupational Safety and Health)**

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     | 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 preparation / last revision** 01/23/2024**- Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

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

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity - Oral 4: Acute toxicity – Category 4

Skin Corrosion 1B: Skin corrosion/irritation – Category 1B

Skin Irritation 2: Skin corrosion/irritation – Category 2

(Contd. on page 7)

# Safety Data Sheet

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**Trade name:** Vibra-TITE® Gasket Maker

(Contd. of page 6)

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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