

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

Printing date 01/29/2024

Reviewed on 01/23/2024

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

- **Trade name:** Vibra-TITE® Gasket Maker
  - **Synonyms:** 992 RTV Silicone Gasket Maker - Copper
  - **Part number:** VT992
  - **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 identification****- Classification of the substance or mixture**

GHS08 Health hazard

Specific Target Organ Toxicity - Repeated Exposure - Category 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Sensitizer - Category 1B

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** Warning

**- Hazard statements**

H317 May cause an allergic skin reaction.  
H373 May cause damage to organs through prolonged or repeated exposure.

**- Precautionary statements**

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

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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: 2224-33-1	Vinyl tri (methylethylketoxime) Acute Toxicity (Oral) - Category 4, H302; Acute Toxicity (Inhalation) - Category 4, H332; Skin Irritation - Category 2, H315; Eye Irritation - Category 2A, H319; Specific Target Organ Toxicity - Single Exposure - Category 3, H335; Flammable Liquids - Category 4, H227	3 – 7% w/w
CAS: 12001-26-2	Mica	1 – 5% w/w
CAS: 13822-56-5	3-(trimethoxysilyl)propylamine Skin Irritation - Category 2, H315; Eye Irritation - Category 2A, H319; Flammable Liquids - Category 4, H227	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:**

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.

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### 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:**

At this time, the other constituents have no known exposure limits.

**CAS: 12001-26-2 Mica**

EL (Canada)	TWA: 3 mg/m <sup>3</sup>
EV (Canada)	TWA: 3(D) mg/m <sup>3</sup> respirable
PEL (USA)	TWA: 20 mppcf ppm <1% crystalline silica
REL (USA)	TWA: 3* mg/m <sup>3</sup> *respirable dust; containing < 1% quartz
TLV (USA)	TWA: 0.1 mg/m <sup>3</sup> *resp.fraction

- **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:** Pasty  
- **Color:** Bronze colored

- **Odor:** Light  
- **Odor threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

- **Melting point/Melting range:** Undetermined.  
- **Boiling point/Boiling range:** > 140 °C

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not applicable.

- **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 at 25 °C:** ≤ 7 hPa

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- <b>Density at 20 °C:</b>	~ 1.04 g/cm <sup>3</sup>
- <b>Relative density</b>	Not determined.
- <b>Vapor density</b>	Not determined.
- <b>Evaporation rate</b>	Not determined.
- <b>Solubility in / Miscibility with</b>	
- <b>Water:</b>	Not miscible or difficult to mix.
- <b>Partition coefficient (n-octanol/water):</b>	Not determined.
- <b>Viscosity:</b>	
- <b>Dynamic:</b>	Not determined.
- <b>Kinematic:</b>	Not determined.
- <b>Solvent content:</b>	
- <b>VOC content:</b>	0.00 % 0.0 g/l / 0.00 lb/gal
- <b>Solids content:</b>	13.3 %
- <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:**

#### - LD/LC50 values that are relevant for classification:

##### ATE (Acute Toxicity Estimate)

Oral	LD50	9,524 mg/kg
Inhalative	LC50/4 h	210 mg/l

##### CAS: 2224-33-1 Vinyl tri (methylethylketoxime)

Oral	LD50	500 mg/kg (ATE)
Inhalative	LC50/4 h	11 mg/l (ATE)

#### - 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: 1309-37-1 Pigment Red

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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.
- **Ecotoxicological effects:**
  - **Remark:** Harmful to fish

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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.  
Harmful to aquatic organisms

**- 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):**

None of the ingredients is listed.

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

All components have the value ACTIVE.

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

CAS: 70131-67-8	Dimethyl Siloxane
CAS: 63148-62-9	Polydimethylsiloxane, trimethyl terminated
CAS: 2224-33-1	Vinyl tri (methylethylketoxime)
CAS: 1309-37-1	Pigment Red
CAS: 68611-44-9	Modified Silicon Dioxide
CAS: 12001-26-2	Mica
CAS: 13822-56-5	3-(trimethoxysilyl)propylamine
CAS: 65212-77-3	Pigment
CAS: 56797-01-4	Cerium 2-Ethylhexanoate
CAS: 68928-76-7	Dimethylbis stannane

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<b>- Canadian Non-Domestic Substances List (NDSL)</b>	
CAS: 23843-64-3	propyltrialkoxysilane
<b>- Canadian Ingredient Disclosure list (limit 0.1%)</b>	
None of the ingredients is listed.	
<b>- Canadian Ingredient Disclosure list (limit 1%)</b>	
CAS: 1309-37-1	Pigment Red
CAS: 12001-26-2	Mica
<b>- Chemical safety assessment:</b> 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)  
 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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