

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

Printing date 04/30/2015

Reviewed on 04/30/2015

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

- **Trade name:** Vibra-TITE® Gasket Maker
  - **Synonyms:** 992 RTV Silicone Gasket Maker - Copper
  - **Part number:** VT992
- **Relevant identified uses of the substance or mixture** Gasketing forming

**- 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**

GHS08 Health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Sens. 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** Warning**- Hazard-determining components of labeling:**

N-(3-(trimethoxysilyl)propyl)ethylenediamine

**- 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/vapors/spray.  
P280 Wear protective gloves.  
P363 Wash contaminated clothing before reuse.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P314 Get medical advice/attention if you feel unwell.  
P302+P352 If on skin: Wash with plenty of water.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**- Classification system:****- NFPA ratings (scale 0 - 4)**

Health = 2  
Fire = 1  
Reactivity = 0

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

HEALTH	2	Health = 2
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

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

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

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**- **Description:** Mixture of the substances listed below with nonhazardous additions.- **Dangerous components:**

22984-54-9	butan-2-one O,O',O''-(methylsilylydyne)trioxime	1-5%
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	≤ 1.00%
13463-67-7	titanium dioxide	≤ 1.00%
1333-86-4	Carbon black	≤ 1.00%

### 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:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.- **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:**- **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 item 7.

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**- 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.**- 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.

**- 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:** Goggles recommended during refilling.**- Body protection:** Protective work clothing

<b>9 Physical and chemical properties</b>
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**- Information on basic physical and chemical properties****- General Information****- Appearance:****- Form:**

Pasty

**- Color:**

Bronze colored

**- Odor:**

Light

**- Odour threshold:**

Not determined.

**- pH-value:**

Not determined.

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

Undetermined.

**- Boiling point/Boiling range:**

Undetermined.

**- Flash point:**

Not applicable.

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

Not applicable.

**- Ignition temperature:**

&gt; 370 °C (&gt; 698 °F)

**- Decomposition temperature:**

Not determined.

**- Auto igniting:**

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 (68 °F):**1.04 g/cm<sup>3</sup> (8.679 lbs/gal)**- Relative density**

Not determined.

**- Vapour 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.

**- Solvent content:****- Organic solvents:**

0.0 %

**- Solids content:**

99.5 %

**- Other information**

No further relevant information available.

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**10 Stability and reactivity**

- **Reactivity**
  - **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:**

**22984-54-9 butan-2-one O,O',O''-(methylsilylydyne)trioxime**

Dermal	LD50	300 mg/kg (ATE)
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**13463-67-7 titanium dioxide**

Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

**1333-86-4 Carbon black**

Oral	LD50	10000 mg/kg (rat)
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- **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)**

7631-86-9	Silicon dioxide, Untreated fumed	3
13463-67-7	titanium dioxide	2B
1333-86-4	Carbon black	2B

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

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.
- **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.

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**14 Transport information**

- <b>UN-Number</b> - DOT, ADN, IMDG, IATA	not regulated
- <b>UN proper shipping name</b> - DOT, ADN, IMDG, IATA	not regulated
- <b>Transport hazard class(es)</b> - DOT, ADN, IMDG, IATA - Class	not regulated
- <b>Packing group</b> - DOT, IMDG, IATA	not regulated
- <b>Environmental hazards:</b> - Marine pollutant:	No
- <b>Special precautions for user</b>	Not applicable.
- <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
- <b>UN "Model Regulation":</b>	-

**15 Regulatory information**

- <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> - Sara		
- <b>Section 355 (extremely hazardous substances):</b>		
None of the ingredients is listed.		
- <b>Section 313 (Specific toxic chemical listings):</b>		
None of the ingredients is listed.		
- <b>TSCA (Toxic Substances Control Act):</b>		
All ingredients are listed.		
- <b>Proposition 65</b>		
- <b>Chemicals known to cause cancer:</b>		
13463-67-7	titanium dioxide	
1333-86-4	Carbon black	
- <b>Chemicals known to cause reproductive toxicity for females:</b>		
None of the ingredients is listed.		
- <b>Chemicals known to cause reproductive toxicity for males:</b>		
None of the ingredients is listed.		
- <b>Chemicals known to cause developmental toxicity:</b>		
None of the ingredients is listed.		
- <b>Carcinogenic categories</b>		
- <b>EPA (Environmental Protection Agency)</b>		
None of the ingredients is listed.		
- <b>TLV (Threshold Limit Value established by ACGIH)</b>		
13463-67-7	titanium dioxide	A4
1333-86-4	Carbon black	A4
- <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
13463-67-7	titanium dioxide	
1333-86-4	Carbon black	
- <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 Affaires

- **Contact:** Safety, Health and Environmental Affaires

- **Date of preparation / last revision** 04/30/2015 / 3

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

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IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
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)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

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

- **Disclaimer**

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