

**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:** 998 RTV Silicone Gasket Maker - Black
  - **Part number:** VT998
- **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

# Safety Data Sheet

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Reviewed on 04/30/2015

Trade name: Vibra-TITE® Gasket Maker

(Contd. of page 1)

- **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''-(methylsilyldiyl)trioxime	1-5%
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	≤ 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.

(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.

**- 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

**\* 9 Physical and chemical properties****- Information on basic physical and chemical properties****- General Information****- Appearance:**

- **Form:** Pasty

- **Color:** Black

- **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:** > 370 °C (> 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.

(Contd. on page 4)

# Safety Data Sheet

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Trade name: Vibra-TITE® Gasket Maker

(Contd. of page 3)

## 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:**

Oral	LD50	5000 mg/kg (rat)
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**22984-54-9 butan-2-one O,O',O''-(methylsilylidyne)trioxime**

Dermal	LD50	300 mg/kg (ATE)
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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
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- **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.

## 14 Transport information

- **UN-Number**
  - **DOT, ADN, IMDG, IATA** not regulated
- **UN proper shipping name**
  - **DOT, ADN, IMDG, IATA** not regulated

(Contd. on page 5)

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(Contd. of page 4)

- <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**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
- 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 ingredients are 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 established by ACGIH)**

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 Affaires
- **Contact:** Safety, Health and Environmental Affaires
- **Date of preparation / last revision** 04/30/2015 / 2
- **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

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

(Contd. on page 6)

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

(Contd. of page 5)

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

- **Disclaimer**

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