Safety Data Sheet
acc. to OSHA HCS

Printing date 03/06/2019 *Reviewed on 12/28/2018*

1 Identification

- ***Product identifier***
  - ***Trade name:*** Vibra-TITE® Gasket Maker
    - ***Synonyms:*** 998 RTV Silicone Gasket Maker - Black
    - ***Part number:*** VT998
    - ***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 Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 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 face, hands and any exposed skin thoroughly after handling.
P280	Wear protective gloves.
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.

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

Health = 2
Fire = 1
Reactivity = 0

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

Health = 2
Fire = 1
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:***

CAS: 17689-77-9	Ethyltriacetoxysilane Skin Corr. 1C, H314; Eye Dam. 1, H318; Acute Tox. 4, H302	1 – 4%
CAS: 4253-34-3	methylsilanetriyl triacetate Eye Irrit. 2B, H320	1 – 4%
CAS: 556-67-2	octamethylcyclotetrasiloxane Flam. Liq. 3, H226; Repr. 2, H361	≤ 1%
CAS: 541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	≤ 1%

4 First-aid measures

- ***Description of first aid measures***
  - ***After inhalation:***
    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. If symptoms persist, consult a doctor.
  - ***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:***
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
    CO2, sand, extinguishing powder. Do not use water.
    Use fire fighting measures that suit the environment.
  - ***For safety reasons unsuitable extinguishing agents:*** Water
- ***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***
  Wear protective equipment. Keep unprotected persons away.
  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:***
  Ensure adequate ventilation.
  Do not flush with water or aqueous cleansing agents
  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.

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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:***
    Keep ignition sources away - Do not smoke.
    Protect against electrostatic charges.
- ***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:*** Keep receptacle tightly sealed.
- ***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.
- ***Control parameters***
  - ***Components with limit values that require monitoring at the workplace:***
    The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
    At this time, the other constituents have no known exposure limits.

CAS: 556-67-2 octamethylcyclotetrasiloxane	
WEEL	Long-term value: 10* ppm *OARS WEEL

  - ***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.
      Avoid contact with the eyes and skin.
    - ***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:***


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.
    - ***Eye protection:***


Tightly sealed goggles

    - ***Body protection:*** Protective work clothing

9 Physical and chemical properties

- ***Information on basic physical and chemical properties***
  - ***General Information***
    - ***Appearance:***
      - ***Form:*** Pasty
      - ***Color:*** Black

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- ***Odor:***	Light
- ***Odor threshold:***	Not determined.
- ***pH-value at 20 °C (68 °F):***	6
- ***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):***	≥ 1.10161 – ≤ 1.10167 g/cm³ (≥ 9.19294 – ≤ 9.19344 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.
- ***Solvent content:***	
- ***Organic solvents:***	0.1 %
- ***VOC content:***	0.10 % 1.1 g/l / 0.01 lb/gal
- ***Solids content:***	12.1 %
- ***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	5,000 mg/kg (rat)

CAS: 17689-77-9 Ethyltriacetoxysilane		
Oral	LD50	500 mg/kg (ATE)

- ***Primary irritant effect:***
- ***on the skin:*** Irritant to skin and mucous membranes.
- ***on the eye:*** Irritating effect.
- ***Sensitization:*** No sensitizing effects known.

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- ***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: 1333-86-4	Carbon black	2B
CAS: 13463-67-7	titanium dioxide	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.

14 Transport information

- ***UN-Number***	
- ***DOT, ADN, IMDG, IATA***	not regulated
- ***UN proper shipping name***	
- ***DOT, ADN, IMDG, IATA***	not regulated
- ***Transport hazard class(es)***	
- ***DOT, ADN, IMDG, IATA***	
- ***Class***	not regulated
- ***Packing group***	
- ***DOT, 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

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* 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):

Dimethyl Siloxane
Polydimethylsiloxane, trimethyl terminated
Ethyltriacetoxysilane
methylsilanetriyl triacetate
octamethylcyclotetrasiloxane
2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
acetic acid
acetic anhydride
Carbon black
dibutyltin di(acetate)
titanium dioxide

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 established by ACGIH)

CAS: 1333-86-4	Carbon black	A4
CAS: 1067-33-0	dibutyltin di(acetate)	A4
CAS: 13463-67-7	titanium dioxide	A4

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

CAS: 1333-86-4	Carbon black
CAS: 13463-67-7	titanium dioxide

- ***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*** 03/06/2019 / 17
  - ***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)
VOC: Volatile Organic Compounds (USA, EU)

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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
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
Repr. 2: Reproductive toxicity – Category 2

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

- ***Disclaimer***

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