

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/02/2015

Reviewed on 10/01/2015

1 Identification

- Product identifier

- **Trade name:** Vibra-TITE® MS Polymers

- **Synonyms:** 817 Structural

- **Part number:** VT817

- 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

Repr. 1B H360 May damage fertility or the unborn child.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 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** Danger

- **Hazard statements**

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H360 May damage fertility or the unborn child.

- **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363 Wash contaminated clothing before reuse.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

471-34-1	calcium carbonate		40-50%
64742-47-8	Distillates (petroleum), hydrotreated light	Flam. Liq. 3, H226; Asp. Tox. 1, H304	1-5%
13463-67-7	titanium dioxide	Carc. 2, H351	1-5%
2768-02-7	trimethoxyvinylsilane	Acute Tox. 4, H332	≤ 1.00%
52829-07-9	Light Stabilizer	Eye Irrit. 2A, H319	≤ 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:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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:** 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.

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- 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.

- Control parameters

- Components with limit values that require monitoring at the workplace:

471-34-1 calcium carbonate

PEL Long-term value: 15* 5** mg/m³

*total dust **respirable fraction

REL Long-term value: 10* 5** mg/m³

*total dust **respirable fraction

TLV TLV withdrawn

13463-67-7 titanium dioxide

PEL Long-term value: 15* mg/m³

*total dust

REL See Pocket Guide App. A

TLV Long-term value: 10 mg/m³
withdrawn from NIC

- **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:** Not required.

- **Body protection:** Protective work clothing

* 9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Appearance:

- Form:

Pasty

- Color:

According to product specification

- Odor:

Mild

- Odour threshold:

Not determined.

- pH-value:

Not applicable.

- Change in condition

- Melting point/Melting range:

Undetermined.

- Boiling point/Boiling range:

Undetermined.

- Flash point:

233 °C (451 °F)

- Flammability (solid, gaseous):

Not determined.

- Ignition temperature:

210 °C (410 °F)

- Decomposition temperature:

Not determined.

- Auto igniting:

Product is not selfigniting.

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- Danger of explosion:	Product does not present an explosion hazard.
- Explosion limits:	
- Lower:	Not determined.
- Upper:	Not determined.
- Vapor pressure:	Not applicable.
- Density at 20 °C (68 °F):	1.5 g/cm ³ (12.518 lbs/gal)
- Relative density	Not determined.
- Vapour density	Not applicable.
- Evaporation rate	Not applicable.
- Solubility in / Miscibility with	
- Water:	Insoluble.
- Partition coefficient (n-octanol/water):	Not determined.
- Viscosity:	
- Dynamic:	Not applicable.
- Kinematic:	Not applicable.
- Solvent content:	
- Organic solvents:	0.0 %
- 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:		
471-34-1 calcium carbonate		
Oral	LD50	6450 mg/kg (rat)
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)
2768-02-7 trimethoxyvinylsilane		
Inhalative	LC50/4 h	1.5 mg/l (ATE)
52829-07-9 Light Stabilizer		
Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	3170 mg/kg (rat)
Inhalative	LC50/4 h	7.7 mg/l (rat)
25973-55-1 Light Stabilizer		
Oral	LD50	7750 mg/kg (rat)
Dermal	LD50	1100 mg/kg (rabbit)
Inhalative	LC50/4 h	0.4 mg/l (rat)

- **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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- Additional toxicological information:**- Carcinogenic categories****- IARC (International Agency for Research on Cancer)**

13463-67-7	titanium dioxide	2B
1333-86-4	Carbon black	2B
14808-60-7	Silicon Dioxide	1

- NTP (National Toxicology Program)

14808-60-7	Silicon Dioxide	K
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- 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:** Not known to be hazardous to water.**- 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

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.

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- Section 313 (Specific toxic chemical listings):		
None of the ingredients is listed.		
- TSCA (Toxic Substances Control Act):		
calcium carbonate		
Limestone		
Distillates (petroleum), hydrotreated light		
titanium dioxide		
trimethoxyvinylsilane		
Light Stabilizer		
stearic acid		
Light Stabilizer		
Carbon black		
Silicon Dioxide		
- Proposition 65		
- Chemicals known to cause cancer:		
13463-67-7	titanium dioxide	
1333-86-4	Carbon black	
14808-60-7	Silicon Dioxide	
- 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)		
13463-67-7	titanium dioxide	A4
1333-86-4	Carbon black	A4
14808-60-7	Silicon Dioxide	A2
- NIOSH-Ca (National Institute for Occupational Safety and Health)		
13463-67-7	titanium dioxide	
1333-86-4	Carbon black	
14808-60-7	Silicon 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 Affairs

- Contact: Safety, Health and Environmental Affairs

- Date of preparation / last revision 10/02/2015 / 4

- 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
 Flam. Liq. 3: Flammable liquids, Hazard Category 3
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
 Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B
 Carc. 2: Carcinogenicity, Hazard Category 2
 Repr. 1B: Reproductive toxicity, Hazard Category 1B
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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

- **Disclaimer**

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