

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

Printing date 03/06/2019

Reviewed on 03/05/2019

**1 Identification**

**- Product identifier**

- **Trade name:** Vibra-TITE® MS Polymers
- **Synonyms:** 805 Structural
- **Part number:** VT805
- **Application of the substance / the mixture** Adhesives

**- 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**



GHS02 Flame

Flam. Sol. 1 H228 Flammable solid.



GHS08 Health hazard

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.  
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**



GHS02 GHS07 GHS08

**- Signal word** Danger

**- Hazard statements**

H228 Flammable solid.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H360 May damage fertility or the unborn child.

**- Precautionary statements**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 Wash face, hands and any exposed skin thoroughly after handling.  
P272 Contaminated work clothing must not be allowed out of the workplace.

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P280	Wear protective gloves/protective clothing/eye protection/face protection.
P280	Wear protective gloves.
P280	Wear eye protection / face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see on this label).
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use for extinction: CO <sub>2</sub> , powder or water spray.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

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

1	Health = 2
2	Fire = 1
0	Reactivity = 0

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

2	Health = 2
1	Fire = 1
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:**

CAS: 1317-65-3	Calcium Carbonate	Skin Irrit. 2, H315	40 – 49%
CAS: 471-34-1	calcium carbonate		20 – 29%
CAS: 64742-47-8	Distillates (petroleum), hydrotreated light	Flam. Liq. 3, H226; Asp. Tox. 1, H304	5 – 9%
	Adhesion promoter	Acute Tox. 4, H332; Combustible Dust	
CAS: 25973-55-1	Light Stabilizer	STOT RE 2, H373; Combustible Dust	≤ 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. Then 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:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. CO<sub>2</sub>, 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.

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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:

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.

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.

## 7 Handling and storage

### - Handling:

- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

- **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:** 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:**

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: 471-34-1 calcium carbonate

PEL	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV	TLV withdrawn

- **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 skin.

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

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**- 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:** Not required.**- Body protection:** Protective work clothing

## 9 Physical and chemical properties

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

<b>- Form:</b>	Pasty
<b>- Color:</b>	Grey
<b>- Odor:</b>	Characteristic
<b>- Odor threshold:</b>	Not determined.

**- pH-value:** Not applicable.**- Change in condition**

<b>- Melting point/Melting range:</b>	Undetermined.
<b>- Boiling point/Boiling range:</b>	≥ 175 °C (≥ 347 °F)

**- Flash point:** 100 °C (212 °F)**- Flammability (solid, gaseous):** Not determined.**- Ignition temperature:** 210 °C (410 °F)**- Decomposition temperature:** Not determined.**- Auto igniting:** Product is not selfigniting.**- Danger of explosion:** Not determined.**- Explosion limits:**

<b>- Lower:</b>	Not determined.
<b>- Upper:</b>	Not determined.

**- Vapor pressure:** Not applicable.**- Density at 20 °C (68 °F):** ~ 1.6 g/cm<sup>3</sup> (~ 13.352 lbs/gal)

<b>- Relative density</b>	Not determined.
<b>- Vapor density</b>	Not applicable.
<b>- Evaporation rate</b>	Not applicable.

**- Solubility in / Miscibility with****- Water:** Insoluble.**- Partition coefficient (n-octanol/water):** Not determined.**- Viscosity:**

<b>- Dynamic:</b>	Not applicable.
<b>- Kinematic:</b>	Not applicable.

**- Solvent content:**

**- VOC content:** 0.00 %  
0.0 g/l / 0.00 lb/gal

**- Solids content:** 88.0 %**- 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.

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- **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)

Inhalative	LC50/4 h	100 mg/l
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#### CAS: 471-34-1 calcium carbonate

Oral	LD50	6,450 mg/kg (rat)
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#### Adhesion promoter

Inhalative	LC50/4 h	1.5 mg/l (ATE)
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#### CAS: 52829-07-9 Light Stabilizer

Oral	LD50	3,700 mg/kg (rat)
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Dermal	LD50	3,170 mg/kg (rat)
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Inhalative	LC50/4 h	7.7 mg/l (rat)
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#### CAS: 25973-55-1 Light Stabilizer

Oral	LD50	7,750 mg/kg (rat)
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Dermal	LD50	1,100 mg/kg (rabbit)
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Inhalative	LC50/4 h	0.4 mg/l (rat)
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#### - Primary irritant effect:

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

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

#### - NTP (National Toxicology Program)

CAS: 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.

### - Ecotoxicological effects:

- **Remark:** Harmful to fish

### - 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.

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**- Uncleaned packagings:****- Recommendation:** Disposal must be made according to official regulations.**\*14 Transport information**

- <b>UN-Number</b> - <b>DOT, IMDG, IATA</b>	UN1325
- <b>UN proper shipping name</b> - <b>DOT</b>	Flammable solids, organic, n.o.s. (Distillates (petroleum), hydrotreated light)
- <b>IMDG, IATA</b>	FLAMMABLE SOLID, ORGANIC, N.O.S. (Distillates (petroleum), hydrotreated light)
- <b>Transport hazard class(es)</b> - <b>DOT</b>	
	
- <b>Class</b>	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
- <b>Label</b>	4.1
- <b>IMDG, IATA</b>	
	
- <b>Class</b>	4.1 Flammable solids, self-reactive substances and solid desensitised explosives
- <b>Label</b>	4.1
- <b>Packing group</b> - <b>DOT, IMDG, IATA</b>	II
- <b>Environmental hazards:</b> - <b>Marine pollutant:</b>	No
- <b>Special precautions for user</b>	Warning: Flammable solids, self-reactive substances and solid desensitised explosives
- <b>Danger code (Kemler):</b>	40
- <b>EMS Number:</b>	F-A,S-G
- <b>Stowage Category</b>	B
- <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
- <b>Transport/Additional information:</b> - <b>DOT</b>	
- <b>Quantity limitations</b>	On passenger aircraft/rail: 15 kg On cargo aircraft only: 50 kg
- <b>IMDG</b>	
- <b>Limited quantities (LQ)</b>	1 kg
- <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g
- <b>UN "Model Regulation":</b>	UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S. (DISTILLATES (PETROLEUM), HYDROTREATED LIGHT), 4.1, II

**\*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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<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>- Hazardous Air Pollutants</b>		
None of the ingredients is listed.		
<b>- Proposition 65</b>		
<b>- Chemicals known to cause cancer:</b>		
CAS: 14808-60-7	Silicon Dioxide	
<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>		
CAS: 26761-40-0	di-"isodecyl" phthalate	
<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>		
CAS: 13463-67-7	titanium dioxide	A4
CAS: 1333-86-4	Carbon black	A4
CAS: 14808-60-7	Silicon Dioxide	A2
<b>- NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
CAS: 13463-67-7	titanium dioxide	
CAS: 1333-86-4	Carbon black	
CAS: 14808-60-7	Silicon Dioxide	
<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
- **Date of preparation / last revision** 03/06/2019 / 7

### - 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)  
 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  
 Flam. Sol. 1: Flammable solids – Category 1  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
 Skin Sens. 1B: Skin sensitisation – Category 1B  
 Repr. 1B: Reproductive toxicity – Category 1B  
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
 Asp. Tox. 1: Aspiration hazard – Category 1

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

### - Disclaimer

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