

Safety Data Sheet
according to HPR, Schedule 1

Printing date 01/29/2024

Reviewed on 01/23/2024

1 Identification

- Product identifier

- **Trade name:** Vibra-TITE® Thread Sealants
- **Synonyms:** 480 Multi-Purpose FBC Compatible - White
- **Part number:** VT480
- **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 identification

- Classification of the substance or mixture



GHS08 Health hazard

Carcinogenicity - Category 1A H350 May cause cancer.
Specific Target Organ Toxicity - Repeated Exposure - Category 1 H372 Causes damage to organs through prolonged or repeated exposure.



GHS07

Skin Sensitizer - Category 1 H317 May cause an allergic skin reaction.
Eye Irritation - Category 2B H320 Causes eye irritation.

- 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-determining components of labeling:

Soapstone
Sulfonic acids, petroleum
titanium dioxide
Crystalline Silica

- Hazard statements

H320 Causes eye irritation.
H317 May cause an allergic skin reaction.
H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.

- Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264+P265 Wash thoroughly after handling. Do not touch eyes.
P270 Do not eat, drink or smoke when using this product.

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P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P280	Wear protective gloves.
P302+P352	If on skin: Wash with plenty of water.
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.
P314	Get medical advice/attention if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see on this label).
P337+P317	If eye irritation persists: Get medical help.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/Information on ingredients

- Chemical characterization: Mixtures

- Description: Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 1332-58-7	Kaolin	10 – 30% w/w
CAS: 14807-96-6	Soapstone Carcinogenicity - Category 1A, H350; Specific Target Organ Toxicity - Repeated Exposure - Category 1, H372	7 – 13% w/w
CAS: 12001-26-2	Mica	7 – 13% w/w
CAS: 61789-86-4	Sulfonic acids, petroleum Skin Sensitizer - Category 1B, H317; Eye Irritation - Category 2B, H320	5 – 10% w/w
CAS: 13463-67-7	titanium dioxide Carcinogenicity – Category 2, H351	1 – 5% w/w
CAS: 68037-01-4	1-Dodecene homopolymer, hydrodenated Aspiration Hazard - Category 1, H304	0.1 – 1% w/w
CAS: 14808-60-7	Crystalline Silica Carcinogenicity - Category 1A, H350; Specific Target Organ Toxicity - Repeated Exposure - Category 1, H372	0.1 – 1% w/w

4 First-aid measures

- Description of first aid measures

- After inhalation:

Supply fresh air and to be sure call for a doctor.
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.

- 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: 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:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

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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.

Prevent formation of aerosols.

- 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:** Store in cool, dry conditions in well sealed receptacles.**- 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 section 7.**- Control parameters****- Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

CAS: 1332-58-7 Kaolin	
EL (Canada)	TWA: 2 mg/m ³
EV (Canada)	TWA: 2(D) mg/m ³ respirable
PEL (USA)	TWA: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	TWA: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	TWA: 2* mg/m ³ E; as respirable fraction, A4
CAS: 12001-26-2 Mica	
EL (Canada)	TWA: 3 mg/m ³
EV (Canada)	TWA: 3(D) mg/m ³ respirable
PEL (USA)	TWA: 20 mppcf ppm <1% crystalline silica
REL (USA)	TWA: 3* mg/m ³ *respirable dust; containing < 1% quartz
TLV (USA)	TWA: 0.1 mg/m ³ *resp.fraction
CAS: 14808-60-7 Crystalline Silica	
EL (Canada)	TWA: 0.025 mg/m ³ ACGIH A2; IARC 1
EV (Canada)	TWA: 0.10* mg/m ³ *respirable fraction
PEL (USA)	TWA: 0.05* mg/m ³ *resp. dust; 30mg/m ³ /%SiO ₂ +2
REL (USA)	TWA: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV (USA)	TWA: 0.025* mg/m ³ *respirable particulate matter, A2

- Additional information: The lists that were valid during the creation were used as basis.**- Exposure controls****- Personal protective equipment:****- General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

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- Breathing equipment:

Not required.

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: Required use of safety glasses**- Body protection:** Protective work clothing

9 Physical and chemical properties

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

Pasty

- Color:

Whitish

- Odor:

Mild

- Odor threshold:

Not determined.

- pH-value at 20 °C:

7

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

Undetermined.

- Boiling point/Boiling range:

Undetermined.

- Flash point:

177 °C

- Flammability (solid, gaseous):

Not applicable.

- Decomposition temperature:

Not determined.

- Ignition temperature:

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:~ 1.2 g/cm³**- 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 at 20 °C:**

200,000 mPas

- Kinematic:

Not determined.

- Solvent content:**- VOC content:**

0.00 %

0.0 g/l / 0.00 lb/gal

- Solids content:

50.7 %

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- **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:**

CAS: 13463-67-7 titanium dioxide

Oral	LD50	> 20,000 mg/kg (rat)
Dermal	LD50	> 10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 6.82 mg/l (rat)

- **Primary irritant effect:**

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

- **Sensitization:** Sensitization possible through skin contact.

- **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: 14807-96-6	Soapstone	3
CAS: 9002-88-4	Polyethylene Wax	3
CAS: 13463-67-7	titanium dioxide	2B
CAS: 14808-60-7	Crystalline Silica	1

- **NTP (National Toxicology Program)**

CAS: 14808-60-7	Crystalline Silica	K
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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

- UN-Number - DOT/TDG, ADR, ADN, IMDG, IATA	not regulated
- UN proper shipping name - DOT/TDG, ADR, ADN, IMDG, IATA	not regulated
- Transport hazard class(es) - DOT/TDG, ADR, ADN, IMDG, IATA - Class	not regulated
- Packing group - DOT/TDG, ADR, 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**
No further relevant information available.

- **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 components have the value ACTIVE.

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

CAS: 68953-58-2	Quaternary ammonium compounds
CAS: 1332-58-7	Kaolin
CAS: 9003-29-6	Polybutane copolymer
CAS: 14807-96-6	Soapstone
CAS: 12001-26-2	Mica
CAS: 9002-88-4	Polyethylene Wax
CAS: 12003-38-2	Fluorophlogopite
CAS: 61789-86-4	Sulfonic acids, petroleum
CAS: 13463-67-7	titanium dioxide
CAS: 68037-01-4	1-Dodecene homopolymer, hydrodenated
CAS: 14808-60-7	Crystalline Silica

- **Canadian Non-Domestic Substances List (NDSL)**

CAS: 68476-25-5 Sodium Aluminium silicate

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%)**

CAS: 12001-26-2 Mica

- **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

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- Classification System:**- HMIS-ratings (scale 0 - 4)**

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

- NFPA ratings (scale 0 - 4)

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

- Date of the latest revision of the safety data sheet 01/29/2024**- Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 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)
 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

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

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