

Safety Data Sheet acc. to OSHA HCS

Date of issue: 07/23/2026

Reviewed on 07/23/2026

1 Identification

- Product identifier

- Trade name: ST-3® Thread Sealant

- Synonyms: ST-3-L5 - White - Applied

- Other means of identification

- Part number: ST3L5-applied

- Application of the substance / the mixture

Sealing

Sealant

- Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

ND Industries, a subsidiary of H.B. Fuller Company

1000 North Crooks Road

Clawson, MI 48017

USA

Telephone: +1-248-288-0000

Email: nd-info@hbfuller.com

Websites: www.ndindustries.com | www.vibra-tite.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

Specific target organ toxicity (repeated exposure) 1 H372 Causes damage to organs through prolonged or repeated exposure.

- Label elements

- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms



GHS08

- Signal word Danger

- Hazard-determining components of labeling:

Crystalline Silica

- Hazard statements

H372 Causes damage to organs through prolonged or repeated exposure.

- Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P314 Get medical advice/attention if you feel unwell.

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

- Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable

- vPvB: Not applicable

- Classification according to (d)(1)(ii) of § 1910.1200

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

- Hazards not otherwise classified

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

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* 3 Composition/information on ingredients

- Chemical characterization: Mixtures

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

- Dangerous components:

CAS: 8002-74-2	Paraffin wax	Combustible Dust	10 – 30%
CAS: 12001-26-2	Mica		10 – 30%
CAS: 13463-67-7	titanium dioxide		3 – 7%
CAS: 1332-58-7	Kaolin		0.5 – 1.5%
CAS: 14808-60-7	Crystalline Silica	Carcinogenicity 1A, H350; Specific target organ toxicity (repeated exposure) 1, H372	0.5 – 1.5%

4 First-aid measures

- Description of first aid measures

- General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **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:** Immediately call a 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:

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

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

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

- **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

- Control parameters

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

CAS: 8002-74-2 Paraffin wax

REL Long-term value: 2 mg/m³

TLV Long-term value: 2 mg/m³

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CAS: 12001-26-2 Mica	
PEL	Long-term value: 20 mppcf ppm <1% crystalline silica
REL	Long-term value: 3* mg/m ³ *respirable dust; containing < 1% quartz
TLV	Long-term value: 0.1 mg/m ³ *Respirable particulate matter
CAS: 13463-67-7 titanium dioxide	
PEL	Long-term value: 15* mg/m ³ *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: 0.2* 2.5** mg/m ³ resp. fraction, *nanoscale, **finescale, A3
CAS: 1332-58-7 Kaolin	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 2* mg/m ³ E; respirable particulate matter, A4
CAS: 14808-60-7 Crystalline Silica	
PEL	Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m3/%SiO2+2
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 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

- **Appropriate engineering controls** No further data; see section 7.

- Personal protective equipment:

- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

- 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

- Physical state

Solid

- Color:

White

- Odor:

Characteristic

- Odor threshold:

Not determined

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- Melting point/Melting range:	Undetermined
- Boiling point/Boiling range:	> 315 °C (> 599 °F)
- Flammability:	Not determined
- Explosion limits:	
- Lower:	Not determined
- Upper:	Not determined
- Flash point:	220 °C (428 °F)
- Auto igniting:	> 300 °C (> 572 °F)
- Decomposition temperature:	Not determined
- pH-value:	Not applicable
- Viscosity:	
- Kinematic:	Not applicable
- Dynamic at 20 °C (68 °F):	8,500 mPas
- Solubility in / Miscibility with	
- Water:	Insoluble.
- Partition coefficient (n-octanol/water):	Not determined
- Vapor pressure:	Not applicable
- Vapor pressure:	
- Density at 20 °C (68 °F):	~ 1.1 g/cm ³ (~ 9.1795 lbs/gal)
- Relative density	Not determined
- Vapor density	Not applicable
- Particle characteristics	Not determined
- Other information	
- Appearance:	
- Form:	Solidified mass
- Important information on protection of health and environment, and on safety.	
- Ignition temperature:	Product is not selfigniting.
- Danger of explosion:	Product does not present an explosion hazard.
- Solvent content:	
- Water:	1.2 %
- VOC content:	0.00 %
- Solids content:	64.9 %
- Change in condition	
- Evaporation rate	Not applicable.

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:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

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- **Interactive effects** No interactive effects between components are known.

- **Carcinogenic categories**

- IARC (International Agency for Research on Cancer)		
CAS: 9002-84-0	Polytetrafluoroethylene	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
- OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

- **Alternative sources for toxicological information** No non-standard sources for toxicological information where used.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable

- **vPvB:** Not applicable

- **Other adverse effects**

- **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.

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
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
	Not applicable
- Special precautions for user	
	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):		
Modified polysiloxane		
- TSCA (Toxic Substances Control Act):		
All components have the value ACTIVE.		
- Hazardous Air Pollutants		
None of the ingredients is listed.		
- Proposition 65		
- Chemicals known to cause cancer:		
	Acrylic Emulsion	
CAS: 14808-60-7	Crystalline Silica	
- 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)		
CAS: 13463-67-7	titanium dioxide	A4
CAS: 1332-58-7	Kaolin	A4
CAS: 14808-60-7	Crystalline Silica	A2
- NIOSH-Ca (National Institute for Occupational Safety and Health)		
CAS: 13463-67-7	titanium dioxide	
CAS: 14808-60-7	Crystalline Silica	
- 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: H.B. Fuller Company | ND Industries Health and Environmental Affairs

- Contact: Safety, Health and Environmental Affairs

- Classification System:

- HMIS-ratings (scale 0 - 4)

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

- NFPA ratings (scale 0 - 4)

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

- Date of previous version 02/27/2024

- Version number of previous version: 23

- Date of preparation 07/23/2026

- 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
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Carcinogenicity 1A: Carcinogenicity – Category 1A

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Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1

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

- **Disclaimer**

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