



Safety Data Sheet

Printing date 02/06/2019

Reviewed on 02/06/2019

acc. to OSHA HCS **1** Identification - Product identifier - Trade name: ST-3® Thread Sealant - Synonyms: ST-3-L13 - Applied - Part number: ST3L13-applied - 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. 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 - Signal word Warning - Hazard statements H315+H320 Causes skin and eye irritation. - Precautionary statements

P264 Wash face, hands and any exposed skin thoroughly after handling. P280 Wear protective gloves. 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)



- HMIS-ratings (scale 0 - 4)



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- 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:

	Acrylic polymer	Skin Irrit. 2, H315; STOT SE 3, H335-H336; Eye Irrit. 2B, H320	20 – 29%
1332-58-7	Kaolin		10 – 19%
12001-26-2	Mica		10 – 19%
13463-67-7	titanium dioxide	Carc. 2, H351	5 – 9%
9002-84-0	Polytetrafluoroethylene	Combustible Dust	5 – 9%
112926-00-8	Precipitated silica (Silica-Amorphous)	Combustible Dust	1 – 4%
8002-74-2	Paraffin wax	Combustible Dust	1 – 4%
	Acrylic emulsion	Skin Irrit. 2, H315; STOT SE 3, H335-H336; Eye Irrit. 2B, H320	1 – 4%
7558-79-4	Di-Sodium Phosphate	Skin Irrit. 2, H315	1 – 4%
64742-55-8	Mineral oil, light paraffinic	Carc. 1B, H350	≤ 1%
14808-60-7	Silicon Dioxide	Carc. 1A, H350; STOT RE 1, H372	≤ 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

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:

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:* Dispose contaminated material as waste according to item 13.

- 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 7 for information on sale nandling. See Section 8 for information on personal protection equipment.

No further relevant information available.

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See Section 13 for disposal information.

7 Handling and storage

- Handling:

- Precautions for safe handling

- Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of dust.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.

- 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.

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 item 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.

	-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; as respirable fraction
1200	1-26-2 Mica
PEL	Long-term value: 20 mppcf ppm <1% crystalline silica
REL	Long-term value: 3* mg/m³ *respirable dust; containing < 1% quartz
TLV	Long-term value: 3* mg/m³ *as respirable fraction
1346	3-67-7 titanium dioxide
PEL	Long-term value: 15* mg/m³ *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: 10 mg/m ³
1129	26-00-8 Precipitated silica (Silica-Amorphous)
PEL	20mppcf or 80mg/m3 /%SiO2
REL	Long-term value: 6 mg/m³ See Pocket Guide App. C
TLV	TLV withdrawn
8002	-74-2 Paraffin wax
REL	Long-term value: 2 mg/m ³
TLV	Long-term value: 2 mg/m³
1480	8-60-7 Silicon Dioxide
PEL	Long-term value: 0.05* mg/m ³ *resp. dust; 30mg/m3/%SiO2+2
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m³ *as respirable fraction
	- Additional information: The lists that were valid during the creation were used as basis.

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Exposure controls	
- Personal protective equipment:	
 General protective and hygienic Keep away from foodstuffs, beverages 	
Immediately remove all soiled and cor	
Wash hands before breaks and at the	5
Store protective clothing separately.	
Avoid contact with the eyes and skin.	
 Breathing equipment: Not required. 	
In case of brief exposure or low polluti	on use respiratory filter device. In case of intensive or longer exposure use respiratory
protective device that is independent of	of circulating air.
 Protection of hands: 	
(m)	
Protective gloves	
	able and resistant to the product/ the substance/ the preparation.
-	sideration of the penetration times, rates of diffusion and the degradation
 Material of gloves The selection of the suitable glove 	s 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 l	has therefore to be checked prior to the application.
Nitrile rubber, NBR	
- Penetration time of glove ma	
- Eye protection:	to be found out by the manufacturer of the protective gloves and has to be observed.
Tightly sealed goggles	
	slething
- Body protection: Protective work of	slothing
	slothing
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 Solubility in / Miscibility with 		
- Water:	Insoluble.	
- Partition coefficient (n-octanol/w	<i>vater):</i> Not determined.	
- Viscosity:		
- Dynamic at 20 °C (68 °F):	1,100 mPas	
- Kinematic:	Not applicable.	
- Solvent content:		
- VOC content:	0.00 %	
	0.0 g/l / 0.00 lb/gal	
- Solids content:	53.5 %	
- 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:

- LI	D/LC50 v	values that are relevant for classification:	
Acrylic po	olymer		
Oral	LD50	> 5,000 mg/kg (rat)	
Dermal	LD50	> 5,000 mg/kg (rabbit)	
13463-67-	7 titaniun	n dioxide	
Oral	LD50	> 20,000 mg/kg (rat)	
Dermal	LD50	> 10,000 mg/kg (rabbit)	
Inhalative	LC50/4 h	> 6.82 mg/l (rat)	
7558-79-4	Di-Sodiu	m Phosphate	
Oral	LD50	17,000 mg/kg (rat)	
- P	rimary in	ritant effect:	
	- on the	skin: Irritant to skin and mucous membranes.	
		eye: Irritating effect.	
		ion: No sensitizing effects known.	
		xicological information:	
		ws the following dangers according to internally approved calculation methods for preparations:	
Irritant	l nogenic.		
	0		
- C	arcinoge	enic categories	
	- IARC (I	International Agency for Research on Cancer)	
13463-67	7-7 titaniu	m dioxide	2E

9002-84-0 Polytetrafluoroethylene 112926-00-8 Precipitated silica (Silica-Amorphous) 14808-60-7 Silicon Dioxide - NTP (National Toxicology Program) 14808-60-7 Silicon Dioxide

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- Toxicity

- Aquatic toxicity: No further relevant information available.

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 Persistence and degradability No further releval Behavior in environmental systems: Bioaccumulative potential No further releval Mobility in soil No further relevant information Ecotoxical effects: Remark: Harmful to fish Additional ecological information: General notes: Water hazard class 3 (Self-assessment): extreme Do not allow product to reach ground water, wate Danger to drinking water if even extremely small of Harmful to aquatic organisms Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information 	nt information available. available. Iy hazardous for water r course or sewage system, even in small quantities. quantities leak into the ground.
13 Disposal considerations	
- Uncleaned packagings:	gether with household garbage. Do not allow product to reach sewage system.
- Recommendation: Disposal must be made ac 14 Transport information	cording to official regulations.
- 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 M and the IBC Code 	ARPOL73/78 Not applicable.
- UN "Model Regulation":	not regulated
15 Regulatory information	
- Safety, health and environmental regulation: - Sara	s/legislation specific for the substance or mixture
- Section 355 (extremely hazardous	substances):
None of the ingredients is listed.	

 None of the ingredients is listed.

 - Section 313 (Specific toxic chemical listings):

 None of the ingredients is listed.

 - TSCA (Toxic Substances Control Act):

 Kaolin

 titanium dioxide

 Polytetrafluoroethylene

 Sodium Aluminium silicate

 Paraffin wax

 Di-Sodium Phosphate

 Mineral oil, light paraffinic

 Silicon Dioxide

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Alumina Trih	vdrate	(Contd. of page
	SCA new (21st Century Act): (Substances not listed)	
•	Acrylic polymer	
12001-26-2		
112926-00-8	Precipitated silica (Silica-Amorphous)	
	Acrylic emulsion	
- Prop	position 65	
- (Chemicals known to cause cancer:	
	Acrylic polymer	
	Acrylic polymer	
14808-60-7	Silicon Dioxide	
- (Chemicals known to cause reproductive toxicity for females:	
None of the i	ngredients is listed.	
- (Chemicals known to cause reproductive toxicity for males:	
None of the i	ngredients is listed.	
- (Chemicals known to cause developmental toxicity:	
None of the i	ngredients is listed.	
- Caro	cinogenic categories	
	EPA (Environmental Protection Agency)	
None of the i	ngredients is listed.	
- 7	LV (Threshold Limit Value established by ACGIH)	
1332-58-7	Kaolin	A
13463-67-7	titanium dioxide	A
14808-60-7	Silicon Dioxide	A
- /	IIOSH-Ca (National Institute for Occupational Safety and Health)	
13463-67-7	titanium dioxide	
14808-60-7	Silicon Dioxide	

- National regulations:

- Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- 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 02/06/2019 / 24
 - Abbreviations and acronyms:
 - 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)
 - HIPFA, National rule 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 DE50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic VDP: very Logisticate and very Bioaccumulching

 - 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

 - REL: Recommended Exposure Limit Skin Irrit. 2: Skin corrosion/irritation Category 2 Eye Irrit. 2B: Serious eye damage/eye irritation Category 2B Carc. 1A: Carcinogenicity Category 1A Carc. 1B: Carcinogenicity Category 1B Carc. 2: Carcinogenicity Category 2 STOT SE 3: Specific target organ toxicity (single exposure) Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) Category 1
 - * Data compared to the previous version altered.

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- Disclaimer

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