

## Safety Data Sheet

acc. to OSHA HCS



Printing date 07/16/2015

Reviewed on 05/11/2015

### \* 1 Identification

- **Product identifier**
  - **Trade name:** ST-3® Thread Sealant
  - **Synonyms:** ST-3-L7 - Applied
  - **Part number:** ST3L7 - applied
  - **Relevant identified uses of the substance or mixture** Thread 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** The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
  - **GHS label elements** Void
  - **Hazard pictograms** Void
  - **Signal word** Void
  - **Hazard statements** Void
- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**  

 Health = 0  
 Fire = 1  
 Reactivity = 0
  - **HMIS-ratings (scale 0 - 4)**  

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

8002-74-2	Hydrocarbon wax	20-30%
12001-26-2	Mica	20-30%
1309-37-1	Pigment	5-10%
	Modified polysiloxane	1-5%

### 4 First-aid measures

- **Description of first aid measures**
  - **General information:** No special measures required.
  - **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.

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- **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.  
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:**
  - **Precautions for safe handling** No special measures required.
  - **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 item 7.
- **Control parameters**

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

#### 8002-74-2 Hydrocarbon wax

REL Long-term value: 2 mg/m<sup>3</sup>TLV Long-term value: 2 mg/m<sup>3</sup>

#### 12001-26-2 Mica

REL Long-term value: 20 mppcf ppm  
<1% crystalline silicaREL Long-term value: 3\* mg/m<sup>3</sup>  
\*respirable dust; containing < 1% quartzTLV Long-term value: 3\* mg/m<sup>3</sup>  
\*as respirable fraction

#### 1309-37-1 Pigment

REL Long-term value: 10\* 15\*\* 5\*\*\* mg/m<sup>3</sup>  
\*Fume; Rouge: \*\*Total dust, \*\*\*respirableREL Long-term value: 5 mg/m<sup>3</sup>  
Dust & fume, as FeTLV Long-term value: 5\* mg/m<sup>3</sup>  
\*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 measures:** The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Not required.

**- 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:** Solid material
- **Color:** Dark orange color
- **Odor:** Odorless
- **Odour threshold:** Not determined.

- **pH-value:** Not applicable.

**- Change in condition**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 316 °C (601 °F)

- **Flash point:** 220 °C (428 °F)

- **Flammability (solid, gaseous):** Not determined.

- **Ignition temperature:** > 300 °C (> 572 °F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

**- Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

- **Vapor pressure at 20 °C (68 °F):** 30 hPa (23 mm Hg)

- **Density at 20 °C (68 °F):** 1.1 g/cm<sup>3</sup> (9.18 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 %

- **Solids content:** 98.5 %

- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.

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**- 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:**

1309-37-1 Pigment

Oral LD50 >5000 mg/kg (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 is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**- Carcinogenic categories**

**- IARC (International Agency for Research on Cancer)**

9002-84-0	Polytetrafluoroethylene	3
1309-37-1	Pigment	3

**- NTP (National Toxicology Program)**

None of the ingredients is listed.

**- 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:**  
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:** Smaller quantities can be disposed of with household waste.

**- 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

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- <b>Transport hazard class(es)</b> - DOT, ADN, IMDG, IATA - Class	not regulated
- <b>Packing group</b> - DOT, IMDG, IATA	not regulated
- <b>Environmental hazards:</b> - Marine pollutant:	No
- <b>Special precautions for user</b>	Not applicable.
- <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
- <b>UN "Model Regulation":</b>	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.

- **Section 313 (Specific toxic chemical listings):**

Modified polysiloxane

- **TSCA (Toxic Substances Control Act):**

Hydrocarbon wax

Polytetrafluoroethylene

Pigment

Modified polysiloxane

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **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)**

1309-37-1 Pigment

A4

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **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** 07/16/2015 / 1

- **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)

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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

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

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