

# SAFETY DATA SHEET

## acc. to OSHA HCS

Printing Date 05/31/2018

Revision Date 05/31/2018

### 1 Identification

- **Product Identifier**
- **Trade Name FLEX-TRED Edge Sealing Compound**
- **Article number: 3009**
- **Relevant identified uses of the substance or mixture.** Adhesive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Wooster Products, Inc.  
 1000 Spruce Street  
 Wooster, OH 44691  
 Phone Number: 1-800-321-4936/330-264-2844
- **Information department :** [sales@wooster-products.com](mailto:sales@wooster-products.com)
- **Responsible for the safety data sheet:** Guliz Elliott
- **Emergency telephone number:** Chem-Trec: 1-800-424-9300

### 2. Hazard(s) Identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor



GHS08 Health hazard

|             |      |   |
|-------------|------|---|
| Repr. 2     | H361 | Suspected of damaging fertility or the unborn child               |
| STOT RE 2   | H373 | May cause damage to organs through prolonged or repeated exposure |
| Asp. Tox. 1 | H304 | May be fatal if swallowed and enters airways                      |



GHS07 Warning

|               |      |                                    |
|---------------|------|------------------------------------|
| Skin Irrit. 2 | H315 | Causes skin irritation             |
| STOT SE 3     | H336 | May cause drowsiness or dizziness. |

- **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

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· **Hazard statements**

Highly flammable liquid and vapor.  
 Causes skin irritation.  
 Suspected of damaging fertility or the unborn child.  
 May cause drowsiness or dizziness.  
 May cause damage to organs through prolonged or repeated exposure.  
 May be fatal if swallowed and enters airways.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.  
 Keep out of reach of children.  
 Read label before use.  
 Use explosion-proof electrical/ventilating/lighting/equipment.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wear protective gloves/eye protection/face protection.  
 Ground/bond container and receiving equipment.  
 Use only non-sparking tool.  
 Take precautionary measures against static discharge.  
 Wash thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 If swallowed: Immediately call a poison center/doctor.  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a poison center/doctor if you feel unwell.  
 If exposed or concerned: Get medical advice/attention.  
 If skin irritation occurs: Get medical advice/attention.  
 Get medical advice/attention if you feel unwell.  
 Do NOT induce vomiting.  
 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
 Take off contaminated clothing and wash it before reuse.  
 Store locked up.  
 Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
 Dispose of contents/container in accordance with local/regional/federal regulations.

· Classification system:

· **NFPA rating (scale 0 - 4)**

**Health = 1**  
**Fire = 3**  
**Reactivity = 0**

· **HMIS scale**

**Health = 1**  
**Fire = 3**  
**Physical hazards = 0**

· **Other hazards: PBT/vPvB: not applicable**

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

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

· **Dangerous components:**

108-88-3

Toluene

25-50 %

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#### ***4 First-aid measures***

- **Description of first aid measures**

- **After Inhalation:**

Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.

**Overexposure, remove to fresh air and seek medical attention.**

- **After Skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After Eye contact:** Rinse opened eye for 20 minutes under running water. If eye becomes irritated obtain medical treatment.

- **After Swallowing:** Call a doctor immediately.

- **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:**

CO2, extinguishing powder or water spray. Fight larger fires with water spray.

Use fire-fighting measures that suit the environment.

- **Advice for firefighters:**

Firefighters use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

- **Protective equipment:** Protective clothing and respiratory protective device.

#### ***6 Accidental release measures***

- **Personal precautions protective equipment and emergency procedures:**

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:** Do not allow to enter sewers/surface/ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste in accordance with federal, state and local regulations.

Ensure adequate ventilation.

- **Methods and materials for containment and cleaning up:**

- **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.

#### **Protective Action Criteria for Chemicals:**

**PAC-1:** 108-88-3, Toluene=>67 ppm

**PAC-2:** 108-88-3, Toluene=>560 ppm

**PAC-3:** 108-88-3, Toluene=>3700\*ppm

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### *7 Handling and storage*

- **Handling:**

- **Precautions for safe handling:**

- Open and handle receptacle with care.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.

- **Information about protection against explosions and fires:**

- Keep container closed when not in use.
- 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:** Store in a cool location away from direct heat.

- **Information about storage in one common storage facility:**

- Store away from oxidizing agents.
- Store as flammable liquid.

- **Further information about storage conditions :**

- Keep receptacle tightly sealed.

- **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:**

#### **108-88-3 Toluene**

|            |   |
|------------|---|
| <b>PEL</b> | Long term value: 200 ppm<br>Ceiling limit value: 300; 500* ppm<br>* 10 min peak per 8-hr shift        |
| <b>REL</b> | Short-term value: 560 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 375 mg/m <sup>3</sup> , 100 ppm |
| <b>TLV</b> | Long-term value: 75 mg/m <sup>3</sup> , 20 ppm  |

- **Ingredients with biological limit values:**

#### **108-88-3 Toluene**

|            |  |
|------------|--|
| <b>BEI</b> | 0.02 mg/L<br>Medium: Blood<br>Time: Prior to last shift or workweek<br>Parameter: Toluene                      |
|            | 0.03 mg/L<br>Medium: Urine<br>Time: End of shift<br>Parameter: Toluene   |
|            | 0.3 mg/g creatinine<br>Medium: Urine<br>Time: End of shift<br>Parameter: o-cresol with hydrolysis (background) |

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- . **Additional information:** The lists that were valid during the creation were used as basis.
- . **Exposure controls**
- . **Personal protective equipment (see listing below)**
- . **General protective and hygienic measures :**
  - Keep away from foodstuffs, beverages and feed.
  - Wash hands before breaks and at the end of work.
- . **Breathing equipment :**
  - Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.
- . **Protection of hands :**



Protective gloves

The gloves material has to impermeable and resistant to the product/ the substance/ the preparation.

**Material of gloves:** Nitrile rubber, NBR, Chloroprene rubber, CR

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.

- . **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 :**
  - Safety glasses with side shields.



Tightly sealed goggles.

Eye wash stations should be available.

- . **Body Protection:** Protective work clothing

## 9 Physical and chemical properties

- . **Information on basic physical and chemical properties**
- . **General information**
- . **Appearance**

|         |                   |
|---------|-------------------|
| Form :  | Liquid            |
| Color : | Clear/Water white |
| Odor :  | Characteristic    |
- . **Change in condition**

|                 |                     |
|-----------------|---------------------|
| Melting point : | Undetermined        |
| Boiling Point:  | 110 ° C ( 230 ° F ) |
- . **Flash point :**

|                  |
|------------------|
| 4 ° C ( 39 ° F ) |
|------------------|

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|  | <b>(Contd. of page 5)</b>  |
| · Ignition temperature :                     | 535 ° C ( 995 ° F )  |
| · Auto Ignition :                            | Product is not self-igniting   |
| · Danger of explosion:                       | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · Flammable limits:<br>Lower:                | 1.2 Vol %  |
| Upper:                                       | 7.0 Vol %  |
| · Vapor pressure at 20° C (68 ° F )          | 29 hPa (21.8 mm Hg)  |
| · Specific gravity at 20 ° (68 ° F) :        | 0.956  |
| · Solubility in/ Miscibility with<br>Water : | Not soluble  |
| · Solvent content:<br>Organic solvents:      | 50 %   |
| VOC  | 478 g/L (3.98 lbs./gal.  |
| · Other information                          | Weight per Gallon = 7.95<br>SCAQMD = 478 g/L   |

### *10 Stability and reactivity*

- Reactivity
- 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: Heat, flames, sparks, hot surfaces, ignition sources.
- Incompatible materials: Reacts with oxidizing agents.
- Hazardous decomposition products :  
  Carbon monoxide and carbon dioxide, hydrocarbon, and other acrid products of combustion.

### *11 Toxicological information*

- Information on toxicological effects
- Acute toxicity :

|   |                           |
|---|---------------------------|
| · LD/LC50 values that are relevant for classification | <b>(Contd. on page 7)</b> |
|---|---------------------------|

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108-88-3 toluene

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|            |          |                      |
|------------|----------|----------------------|
| Oral       | LD50     | 5,000 mg/kg, rat     |
| Dermal     | LD50     | 12,124 mg/kg, rabbit |
| Inhalative | LC50/4 h | 5,320 mg/l, mouse    |

**. Primary irritant effect :**

- . **on the skin:** Skin irritant
- . **on the eye:** May irritate the eye.
- . **Sensitization:** No sensitizing effects known.

**. Additional toxicological information:**

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

**. Carcinogenic Categories****. IARC (international Agency for Research on cancer)**

108-88-3

toluene

**. 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**

At present there are no ecotoxicological assessments.

**. 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**

- . **Recommendations:** Disposal must be made according to official regulations.

**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.

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### 14 Transport information

Larger containers are regulated as:

|   |  |
|---|--|
| <b>UN-Number</b>  | UN1133   |
| . DOT, IMDG, IATA   |  |
| <b>UN Proper shipping name</b>  | Adhesive solution, containing a flammable liquid |
| . DOT   | ADHESIVES solution                               |
| . IMDG, IATA  |  |
| <b>. Transport hazard class(es)</b>   |  |
| . DOT   |  |
|  |  |
| . Class   | 3 Flammable                                      |
| . Label   | 3  |
| <b>. Packing Group</b>  | II   |
| . DOT, IMDG, IATA   |  |

. **Limited quantities** of Class 3 flammable liquids are exempted from labeling requirements unless transported by aircraft in packing group II, inner packaging not over 1 liter (0.3 gallons) net capacity each, packed in a strong outer packaging. (49 CFR 173.150 (b) Limited Quantities)

|   |                            |
|---|----------------------------|
| . <b>Environmental hazards: Marine pollutant:</b> | NO                         |
| . <b>Special precautions for user:</b>            | Warning, Flammable liquids |
| . <b>Danger code (Kemler):</b>                    | 33                         |
| . <b>EMS Number:</b>                              | F-E,S-D                    |
| . <b>Stowage Category:</b>                        | B                          |

|                         |                                   |
|-------------------------|-----------------------------------|
| . UN "Model Regulation" | UN1133, ADHESIVES SOLUTION, 3, II |
|-------------------------|-----------------------------------|

### 15 Regulatory information

|  |
|--|
| . Safety, health and environmental regulations specific for the substance or mixture |
| . Sara   |

|   |
|---|
| . <b>Section 355 (extremely hazardous substances):</b> None of the ingredients is listed. |
|---|

|  |
|--|
| . <b>Section 313 (Specific toxic chemical listings):</b> All ingredients is listed |
|--|

|   |
|---|
| . <b>TSCA (Toxic Substances Control Act):</b> |
|---|

|  |
|--|
| All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements. |
|--|

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|                         |
|-------------------------|
| <b>. Preposition 65</b> |
|-------------------------|

- |  |
|--|
| . <b>Chemicals known to cause cancer</b> : None of the ingredients is listed                             |
| . <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> : 108-88-3 toluene                              |

|  |
|--|
| . <b>(DSL) Canada Domestic Substance List:</b> |
|--|

|   |
|---|
| All components of this product are on the DSL (Canada Domestic Substance List) or are exempt from DSL requirements. |
|---|

|   |
|---|
| . <b>New Jersey Right-to-Know List:</b> All the ingredients are listed. |
|---|

|  |
|--|
| . <b>New Jersey Special Hazardous Substance List:</b> 108-88-3 Toluene |
|--|

|   |
|---|
| . <b>Pennsylvania Right-to-Know List:</b> All the ingredients are listed. |
|---|

|  |
|--|
| . <b>Pennsylvania Special Hazardous Substance List:</b> 108-88-3 Toluene |
|--|

|                                     |
|-------------------------------------|
| <b>. Carcinogenicity categories</b> |
|-------------------------------------|

|  |  |
|--|--|
| <b>EPA (Environmental Protection Agency)</b> |  |
|--|--|

|          |         |
|----------|---------|
| 108-88-3 | Toluene |
|----------|---------|

|   |  |
|---|--|
| <b>. TLV (Threshold limit value established by ACGIH)</b> |  |
|---|--|

|          |         |
|----------|---------|
| 108-88-3 | Toluene |
|----------|---------|

|  |
|--|
| <b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b> None of the ingredients is listed |
|--|

|  |
|--|
| <b>MAK (German Maximum Workplace Concentration):</b> None of the ingredients is listed |
|--|

- . **National regulations:**
- . **Water hazard class:** Water hazard class 2 (Self-assessment): Hazardous for water.
- . **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### *16 Other information*

Although the information and recommendations contained in this SDS are presented in good faith and are believed to be correct as the date of this SDS, Wooster Products makes no representations as to the completeness or accuracy thereof. Final determination of suitability of any material is the sole responsibility of the user. In no event will Wooster Products or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

**. Abbreviations and acronyms:**

**DOT:** US Department of Transportation.

**IATA:** International Air Transport Association

**ACGIH:** American Conference of Governmental Industrial Hygienists

**OSHA:** Occupational Safety and Health

**PEL:** Permissible Exposure Limit

**BEI:** Biological Exposure Limit

**NFPA:** National Fire Protection Association (USA).

**LC50:** Lethal concentration, 50 percent

**Flam. Liq. 2:** Flammable liquids, hazard category 2

**Repr. 2:** Reproduction toxicity, hazard category 2

**STOT SE 3:** Specific organ toxicity: - Single exposure, hazard category, 3

**STOT RE 2:** Specific organ toxicity: - Repeated exposure, hazard category, 2

**IMDG:** International Maritime Code for Dangerous Goods

**CAS:** Chemical Abstracts Service

**NIOSH:** National Institute for Occupational Safety

**TLV:** Threshold Limit Value

**REL:** Recommended Exposure Limit

**HMIS:** Hazardous Materials Identification Systems.

**LD50:** Lethal dose, 50 percent

**Skin irrit. 2:** Skin corrosion/irritation, hazard category 2

**Asp. Tox. 1:** Aspiration hazard category 1