SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name : 838 TOP FG (Caulk)
Product form : Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet
838 Coatings, LLC
12800 State HWY 13, STE 400
Savage, MN 55378
Telephone: (763) 972-9441

1.4. Emergency telephone number
Emergency number : Chemtrec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Carc. 2 H351

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H351 - Suspected of causing cancer
Precautionary statements (GHS-US) :
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P308+P313 - If exposed or concerned: Get medical advice/attention
P405 - Store locked up
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier (CAS No)</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.
First-aid measures after eye contact: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Suspected of causing cancer.
Symptoms/injuries after inhalation: May cause respiratory irritation.
Symptoms/injuries after skin contact: May cause skin irritation.
Symptoms/injuries after eye contact: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion: May cause gastrointestinal irritation.
Chronic symptoms: Suspected of causing cancer.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
Fire hazard: The product is not easily ignited.
Explosion hazard: Product is not explosive.
Reactivity: No data available.

5.3. Advice for firefighters
Firefighting instructions: Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel
Protective equipment: Wear Protective equipment as described in Section 8.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Product may create slip hazard. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections
See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Provide good ventilation in process area to prevent formation of vapor. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe vapours. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep from freezing. Store in a well-ventilated place.
Storage temperature: 10 - 26.67 °C (50 - 80 °F)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Titanium dioxide (13463-67-7)

ACGIH TWA (mg/m³) | 10
OSHA PEL (TWA) (mg/m³) | 15 total dust

8.2. Exposure controls

Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment: Gloves. Protective goggles. Protective clothing.

Hand protection: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/Butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Appearance: Heavy
Color: White
Odor: Slight ammonia odor
Odor Threshold: No data available
pH: 8.5 - 9.5
Relative evaporation rate (butylacetate=1): 1
Melting point: No data available
Freezing point: No data available
Boiling point: 100 °C (212 °F)
Flash point: ≥ 115.56 °C (> 240 °F) TCC
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapour pressure: No data available
Relative vapour density at 20 °C: ≥ 1 (air = 1)
Relative density: 1.46 (water = 1)
Solubility: Miscible with water.
Viscosity: 500,000 cPs
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information

VOC content: < 50 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.
10.2. Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
No data available.

10.5. Incompatible materials
Strong oxidizers.

10.6. Hazardous decomposition products
Carbon monoxide (CO), carbon dioxide (CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects
- Acute toxicity: Not classified
- Skin corrosion/irritation: Not classified
- Serious eye damage/irritation: Not classified
- Respiratory or skin sensitisation: Not classified
- Germ cell mutagenicity: Not classified
- Carcinogenicity: Suspected of causing cancer.

Titanium dioxide (13463-67-7)

<table>
<thead>
<tr>
<th>IARC group</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2B - Possibly carcinogenic to humans</td>
<td></td>
</tr>
</tbody>
</table>

- Reproductive toxicity: Not classified
- Specific target organ toxicity (single exposure): Not classified
- Specific target organ toxicity (repeated exposure): Not classified
- Aspiration hazard: Not classified
- Symptoms/injuries after inhalation: May cause respiratory irritation.
- Symptoms/injuries after skin contact: May cause skin irritation.
- Symptoms/injuries after eye contact: Direct contact with the eyes is likely to be irritating.
- Symptoms/injuries after ingestion: May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: No information available.

12.2. Persistence and degradability
838 TOP FG (Caulk)
Persistence and degradability: No information available.

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

In accordance with DOT
Not hazardous for transport

Additional information
Other information: No supplementary information available.

Transport by sea
No additional information available
838 TOP FG (Caulk)
Safety Data Sheet
Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**

**838 TOP FG (Caulk)**

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

<table>
<thead>
<tr>
<th>SARA Section 311/312 Hazard Classes</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
</table>

**1,4-Dioxane (123-91-1)**

<table>
<thead>
<tr>
<th>CERCLA RQ</th>
<th>100 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on US SARA Section 313</td>
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</table>

**Formaldehyde (50-00-0)**

<table>
<thead>
<tr>
<th>Section 302 (EHS) TPQ</th>
<th>500 lb</th>
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</thead>
<tbody>
<tr>
<td>Section 304 EHS RQ</td>
<td>100 lb</td>
</tr>
<tr>
<td>CERCLA RQ</td>
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**Ethylene oxide (75-21-8)**

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<tr>
<th>Section 302 (EHS) TPQ</th>
<th>1000 lb</th>
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<tbody>
<tr>
<td>Section 304 EHS RQ</td>
<td>10 lb</td>
</tr>
<tr>
<td>CERCLA RQ</td>
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<td>Listed on US SARA Section 313</td>
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</table>

**15.2. International regulations**

No additional information available.

**15.3. US State regulations**

**California Proposition 65**

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

**Diethanolamine (111-42-2)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
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<th>No significance risk level (NSRL)</th>
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<tbody>
<tr>
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**1,4-Dioxane (123-91-1)**

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**Titanium dioxide (13463-67-7)**

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**diuron (ISO), 3-(3,4-dichlorophenyl)-1,1-dimethyleurea (330-54-1)**

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Acetaldehyde (75-07-0)

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Ethylene oxide (75-21-8)

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</table>

1,4-Dioxane (123-91-1)

<table>
<thead>
<tr>
<th>U.S. - New Jersey - Right to Know Hazardous Substance List</th>
<th>U.S. - Massachusetts - Right To Know List</th>
<th>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</th>
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</thead>
<tbody>
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Aluminum oxide (1344-28-1)

<table>
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Titanium dioxide (13463-67-7)

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Formaldehyde (50-00-0)

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1,2-Propylene glycol (57-55-6)

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<tr>
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<th>U.S. - Pennsylvania - RTK (Right to Know) List</th>
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Acetaldehyde (75-07-0)

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Ethylene oxide (75-21-8)

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Silica, amorphous (7631-86-9)

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</table>

SECTION 16: Other information

Indication of changes: Revision 1.0: New SDS Created.

: 09/09/2015

Other information: Author: ANF.

NFPA health hazard: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard: 1 - Must be preheated before ignition can occur.
838 TOP FG (Caulk)
Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>NFPA reactivity</th>
<th>0 - Normally stable, even under fire exposure conditions, and are not reactive with water.</th>
</tr>
</thead>
</table>

**HMIS III Rating**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Health</td>
<td>2*</td>
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<tr>
<td>Flammability</td>
<td>1</td>
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<tr>
<td>Physical</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
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</tbody>
</table>

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.