



# Sentinel 840 Surfactant Wetting Agent

## Safety Data Sheet

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

Revision date: 10/26/2015

Supersedes: All previous versions

Version: 1.1

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

#### 1.1. Product identifier

Product name : Sentinel 840 Surfactant Wetting Agent

Product form : Mixture

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

Use of the substance/mixture : Wetting of fibers during abatement

#### 1.3. Details of the supplier of the safety data sheet

Sentinel Products Inc.  
8901 Wyoming Avenue North  
Brooklyn Park, MN 55445  
Phone: (763) 571-0630  
Toll-free: (800)-373-0633  
www.senpro.com

#### 1.4. Emergency telephone number

Emergency number : 1-866-359-5661

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Eye Irritation Category 1 H318

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS05

Signal word (GHS-US) :

**Danger**

Hazard statements (GHS-US) :

H318 - Causes serious eye damage

Precautionary statements (GHS-US) :

P264 - Wash hands thoroughly after handling.  
P280 - Wear eye protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P370+P378 - In case of fire: Use dry chemical, foam, CO2 for extinction.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up  
P501 - Dispose of contents/container to licensed waste handling facility

#### 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

| Name       | Product identifier    | %            |
|------------|-----------------------|--------------|
| Water      | (CAS No) 7732-18-5    | Proprietary* |
| Surfactant | (CAS No) Proprietary* | Proprietary* |

\*The specific chemical identity and exact percentage of composition has been withheld as a trade secret

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Immediately remove all contaminated clothing and rinse skin with water. Follow by washing with soap and water. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : IF IN EYES: Immediately rinse cautiously with water for 15 minutes while holding eyelids open. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical advice/attention promptly.
- First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical advice/attention promptly.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : May be fatal if swallowed and enters airways.
- Symptoms/injuries after inhalation : Inhalation in high concentrations may cause irritation of the mucous membranes. Aspiration of this material into the lungs may cause chemical pneumonia or death.
- Symptoms/injuries after skin contact : May cause skin irritation. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.
- Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating. May cause burns and possible corneal damage.
- Symptoms/injuries after ingestion : Irritating to the mucous membranes of the mouth, throat, esophagus or stomach.
- Chronic symptoms : No data available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical. Carbon dioxide. Foam.

#### 5.2. Special hazards arising from the substance or mixture

- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Reactivity : No dangerous reactions known under normal conditions of use.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
- 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. Approved supplied-air respirator, in case of emergency.

#### 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. Foam may be used to suppress vapors.

# Sentinel 840 Surfactant Wetting Agent

## Safety Data Sheet

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Methods for cleaning up : 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

No additional information available

## 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. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Surfactant (Proprietary*) |                      |
|---------------------------|----------------------|
| Remark (ACGIH)            | OELs not established |
| Remark (US OSHA)          | OELs not established |

### 8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Protective goggles. Gloves and protective clothing as needed.



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: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

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

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Clear  
Color : None  
Odor : Slight odor  
Odor Threshold : No data available  
pH : No data available  
Relative evaporation rate (butyl acetate=1) : Slower than ether  
Melting point : No data available  
Freezing point : 0 °C (32 °F)  
Boiling point : >100 °C (212 °F)  
Flash point : None to boiling  
Self ignition temperature : No data available  
Decomposition temperature : No data available

# Sentinel 840 Surfactant Wetting Agent

## Safety Data Sheet

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|                                 |                     |
|---------------------------------|---------------------|
| Flammability (solid, gas)       | : No data available |
| Vapor pressure                  | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density                | : No data available |
| Solubility                      | : No data available |
| 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 |
| Oxidizing properties            | : No data available |
| Explosive limits                | : No data available |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Not known.

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

Oxides of nitrogen and carbon.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Surfactant (Proprietary*) |              |
|---------------------------|--------------|
| LD50 oral rat             | > 1300 mg/kg |
| LD50 dermal rabbit        | > 2 g/kg     |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Eye Irritant Category 1  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.  
Symptoms/injuries after inhalation : Inhalation in high concentrations may cause irritation of the mucous membranes. Aspiration of this material into the lungs may cause chemical pneumonia or death.  
Symptoms/injuries after skin contact : Contact may cause irritation.

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|                                     |   |
|-------------------------------------|---|
| Symptoms/injuries after eye contact | : Direct contact with the eyes is likely to be irritating. May cause burns and possible corneal damage. |
| Symptoms/injuries after ingestion   | : Irritating to the mucous membranes of the mouth, throat, esophagus or stomach.                        |
| Chronic symptoms                    | : No data available.  |

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional 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

Transport document description : Cleaning Compound

Department of Transportation (DOT) Hazard Classes : Not Regulated

#### Transport by sea

No additional information available

#### Air transport

No additional information available

In accordance with ADR / RID / IMDG / IATA / ADN

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Sentinel 840 Surfactant Wetting Agent

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

|                                     |                                 |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
|-------------------------------------|---------------------------------|

##### Surfactant (Proprietary\*)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

##### Surfactant (Proprietary\*)

Listed on the Canadian DSL (Domestic Substances List) inventory.

No additional information available

#### 15.2.2. National regulations

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Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.  
Listed on the Korean ECL (Existing Chemical List) inventory.  
Listed on the Philippines CCS (Chemicals & Chemical Substances) inventory.

### 15.3. US State regulations

#### California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

### SECTION 16: Other information

Indication of changes : Revision 1.1 – 26 October 2015

Other information : Author. KAD

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 1

Flammability : 0

Physical : 0

Personal Protection :

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