



# Sentinel 812LE Lockdown Encapsulant

## Safety Data Sheet

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

Date of issue: 2/1/2016

Supersedes: All previous versions

Version: 1.0

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

#### 1.1. Product identifier

Product name : Sentinel 812LE Lockdown Encapsulant  
Product form : Mixture

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

Uses of the substance/Mixture : Encapsulation of asbestos fibers

#### 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 2A H319  
Carcinogenicity 2 H351

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

**Warning**

Hazard statements (GHS-US) :

H319 - Causes serious eye irritation.  
H351 - Suspected of causing cancer.

Precautionary statements (GHS-US) :

P264 - Wash hands thoroughly after handling.  
P280 - Wear eye protection/face protection.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P281 - Use personal protective equipment as required.  
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.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P308+P313 - If exposed or concerned: Get medical advice.  
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)

Percentage of mixture consisting of ingredient(s) of unknown acute toxicity: 0.0%

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%
Titanium dioxide	(CAS No) 13463-67-7	5 - 10
Diethylene glycol monobutyl ether, Glycol ether DB, Butyl carbitol, Butyl diglycol	(CAS No) 112-34-5	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 : 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 person to fresh air.
- First-aid measures after skin contact : IF ON SKIN (or clothing): Wash with plenty of water.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Seek medical attention.

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

- Symptoms/injuries after inhalation : No additional information available
- Symptoms/injuries after skin contact : May cause skin irritation.
- Symptoms/injuries after eye contact : No additional information available
- Symptoms/injuries after ingestion : No additional information 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 : Water spray jet, extinguishing powder, carbon dioxide, foam.

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

- Fire hazard : Not determined.
- Explosion hazard : Not determined.
- Reactivity : No data available.
- Hazardous Combustion Products : Carbon monoxide, carbon dioxide, nitrogen oxides (NO<sub>x</sub>), sulphur dioxide (SO<sub>2</sub>).

#### 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 : Wear protective clothing and self-contained respiratory protective device (SCBA).

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No specific emergency measures are required other than good laboratory hygiene and safety practices.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear protective clothing including safety glasses/eye shields.
- Emergency procedures : Evacuate unprotected/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

Contain all spills. Avoid release to the environment. Keep out of sewer, streams, lakes, and other groundwaters.

#### 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 : Solidify spills with inert solids, such as clay, vermiculite 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 : Use appropriate personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

- Technical measures : Does not require any specific or particular technical measures.  
Storage conditions : Keep container tightly closed when not in use. Keep from freezing. Store upright in original container protected from sunlight. Store locked up.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Titanium Dioxide (13463-67-7)	
Remark (ACGIH)	TWA - 10 mg/m <sup>3</sup>
Remark (US OSHA)	PEL - 15 mg/m <sup>3</sup>

Diethylene glycol monobutyl ether (112-34-5)	
Remark (ACGIH (2013))	TWA - 10 ppm inhalable fraction and vapor

2-Butoxyethanol (111-76-2)	
Remark (ACGIH)	TWA - 20 ppm
Remark (NIOSH)	IDLH - 700 ppm
Remark (US OSHA)	TWA - 50 ppm, 240 mg/m <sup>3</sup>

### 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. Ensure adequate ventilation, especially in confined areas.

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



Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Examples of preferred glove materials include: Natural rubber ("latex"), neoprene, nitrile/butadiene rubber ("nitrile" or "NBR"), polyethylene, polyvinyl chloride ("PVC" or "vinyl"). The selection of a specific glove should also take into account other work to be performed with the glove, potential body reactions to glove material, and specifications/instructions by the glove manufacturer.

Eye protection : Wear safety glasses with side shields.

Skin and body protection : When prolonged or frequent repeated contact could occur, use protective clothing chemically resistant to this material.

Respiratory protection : If local exhaust or other engineering controls are not used, use a properly fitted NIOSH approved mask.

## SECTION 9: Physical and chemical properties

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

- Physical state : Liquid  
Color : White, dries White.  
Odor : Slight latex  
Odor Threshold : No data available  
pH : 9.7  
Relative evaporation rate (butylacetate=1) : <1.00, water  
Melting point : 0 °C (32 °F) water  
Freezing point : 0 °C (32 °F) water  
Boiling point : 100 °C (212 °F)  
Flash point : > 93 °C (calculated)  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available

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Relative vapour density at 20 °C	: No data available
Relative density	: 1.1
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 100 KU
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Not reactive under recommended conditions of storage and handling.

### 10.2. Chemical stability

Stable under normal ambient temperature and conditions while in storage and being handled.

### 10.3. Possibility of hazardous reactions

None known. Product will not undergo hazardous polymerization.

### 10.4. Conditions to avoid

Excessive heat which may cause the closed container to rupture. Excessive cold which may cause the closed container to rupture.

### 10.5. Incompatible materials

There are no known materials that are incompatible with this product.

### 10.6. Hazardous decomposition products

Thermal decomposition may yield monomers, carbon monoxide, carbon dioxide, nitrogen oxides (NO<sub>x</sub>), and Sulphur Dioxide (SO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

*Toxicological information on the components of this product appears in this section when such data is available.*

Acute toxicity	: Not classified - Based on ingredients and their concentrations in the product, the product is not classified as acutely toxic.
Skin corrosion/irritation	: Not classified - Based on ingredients and their concentrations in the product, the product is not classified as a skin irritant.
Serious eye damage/irritation	: No data for the mixture. Based on ingredients and their concentrations in the product, the product is classified as Category 2A: causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified - Based on ingredients and their concentrations in the product, the product is not classified for respiratory or skin sensitization.
Germ cell mutagenicity	: Not classified - Based on ingredients and their concentrations in the product, the product is not classified for germ cell mutagenicity.
Carcinogenicity	: No data for the mixture. Based on ingredients and their concentrations in the product, the product is classified as Category 2: Suspected of causing cancer. IARC: Titanium Dioxide: Group 2B: possibly carcinogenic to humans.
Reproductive toxicity	: No data for the mixture. Based on ingredients and their concentrations in the product, the product is not classified for reproductive toxicity.
Specific target organ toxicity (single exposure)	: Not classified - Based on ingredients and their concentrations in the product, the product is not classified for STOT - single exposure.
Specific target organ toxicity (repeated exposure)	: Not classified - Based on ingredients and their concentrations in the product, the product is not classified for STOT - repeated exposure.
Aspiration hazard	: No data for the mixture. Based on ingredients and their concentrations in the product, and the viscosity of the product, the product is not classified as an aspiration hazard.
Symptoms/injuries after inhalation	: No data for the mixture.
Symptoms/injuries after skin contact	: No data for the mixture.
Symptoms/injuries after eye contact	: No data for the mixture. Based on ingredients and their concentrations in the product, the product causes serious eye irritation.
Symptoms/injuries after ingestion	: No data for the mixture.

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Additional information: No data is available for the mixture. The information shown is based on the profiles of the ingredients and their concentrations in the product.

### SECTION 12: Ecological information

*Ecotoxicological information on this product or its components appears in this section when such data is available.*

#### 12.1. Toxicity

Ecology - general : Aquatic toxicity rating not determined. All possible measures should be taken to prevent release into the environment.

#### 12.2. Persistence and degradability

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Persistence and degradability	Not established.

#### 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 dump in any sewers, on the ground or into any body of water.

Waste disposal recommendations : All disposal practices must be in compliance with all Federal, State, and local laws and regulations. Wear proper protective equipment when disposing of product.

### 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

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

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All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 313:** None.

#### 15.2. International regulations

##### CANADA

No additional information available.

#### 15.3. US State regulations

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Component	CAS #	State
Titanium Dioxide	13463-67-7	New Jersey, Pennsylvania, Rhode Island
Titanium dioxide and silicon dioxide, amorphous	13463-67-7 and 7631-86-9	New Jersey, Pennsylvania
Cellulose, hexadecyl-2-hydroxyether	80455-45-4	Pennsylvania, New Jersey
2-Butoxyethanol	111-76-2	Massachusetts, New Jersey, Pennsylvania
2-Amino-2-methyl-1-propanol	124-68-5	Pennsylvania
Vinyl-acrylic based polymer	Mixture	Pennsylvania

**California Proposition 65:** WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

### SECTION 16: Other information

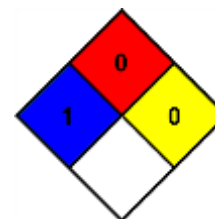
Indication of changes : Revision 1.0: - 1 February 2016 - New SDS Created.  
:

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.

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 : B

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