



# Sentinel 531 Smoke & Odor Counteractant

## Safety Data Sheet

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

Revision date: 9/28/2017

Supersedes: All previous versions

Version: 2.0

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

#### 1.1. Product identifier

Product name : Sentinel 531 Smoke & Odor Counteractant

Product form : Mixture

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

Use of the substance/mixture : Counteractant for smoke and other odors

#### 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)

Skin Irritation Category 1	H315
Eye Irritation Category 1	H318
Skin Sensitization Category 1	H317
Chronic Aquatic Toxicity Category 3	H412

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

GHS05

Signal word (GHS-US) :

**Danger**

Hazard statements (GHS-US) :

H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H317 - May cause an allergic skin reaction  
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS-US) :

P261 - Avoid breathing mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P280 - Wear eye protection/face protection, protective gloves.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 - If skin irritation or rash occurs: get medical advice/attention.  
P362 - Take off contaminated clothing and wash before reuse.  
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.  
P273 - Avoid release into the environment.  
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

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### 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 Blend	(CAS No) Proprietary*	Proprietary*
Sodium xylenesulfonate	(CAS No) 1300-72-7	Proprietary*
Fragrance Blend	(CAS No) Mixture	Proprietary*

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

### 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: Remove contaminated clothing and shoes. Cleanse affected areas thoroughly by washing with plenty of soap and water. If irritation or redness develops and persists, seek medical attention. Wash contaminated clothing and shoes 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 if irritation persists.
- First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Administer large amounts of water if victim is conscious. 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 upper respiratory tract. Aspiration of this material into the lungs may cause chemical pneumonia or death.
- Symptoms/injuries after skin contact : Contact may cause irritation or an allergic skin reaction. Persons with a pre-existing skin condition may be more susceptible to the effects of this product.
- Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/injuries after ingestion : Abdominal discomfort possible.
- 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.

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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.

Methods for cleaning up : Mop up spills and flush residues with large volume of water, or 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. Do not allow product to freeze as container may burst.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

Sodium xylenesulfonate (1300-72-7)	
Remark (ACGIH)	OELs not established
Remark (US OSHA)	OELs not established

Fragrance (Mixture)	
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. It is suggested that there be a source of clean water near by should it be needed for flushing eyes.

Personal protective equipment : Gloves. Protective goggles. Respiratory protection of the dependent type may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.



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Hand protection	: Use gloves chemically resistant to this material when prolonged or repeated contact could occur or if pre-existing skin conditions are present. 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 as necessary.
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	: Fresh
Odor Threshold	: No data available
pH	: 7.5 - 8.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: >100 °C (212 °F)
Flash point	: None to boiling
Self ignition temperature	: No data available
Decomposition temperature	: No data available
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

Freezing.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon Dioxide

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

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

Sodium xylenesulfonate (1300-72-7)	
LD50 oral rat	> 7200 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Causes skin irritation  
Serious eye damage/irritation : Causes eye damage  
Respiratory or skin sensitization : May cause an allergic skin reaction  
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 upper respiratory tract. Aspiration of this material into the lungs may cause chemical pneumonia or death.  
Symptoms/injuries after skin contact : Contact may cause irritation or an allergic skin reaction. Persons with a pre-existing skin condition may be more susceptible to the effects of this product.  
Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.  
Symptoms/injuries after ingestion : Abdominal discomfort possible.  
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.

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### 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

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

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

##### Surfactant Blend (Proprietary)

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

##### Sodium xylenesulfonate (1300-72-7)

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

##### Fragrance (Mixture)

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

#### 15.2. International regulations

##### CANADA

##### Surfactant Blend (Proprietary)

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

##### Sodium xylenesulfonate (1300-72-7)

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

##### Fragrance (Mixture)

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

#### 15.2.2. National regulations

##### Surfactant Blend (Proprietary)

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.

##### Sodium xylenesulfonate (1300-72-7)

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.

##### Fragrance (Mixture)

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 European Inventory of Existing Commercial Chemical Substances (EINECS)

#### 15.3. US State regulations

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### 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 : Version 2.0 - 28 September 2017 – Fragrance Change  
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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