

## Safety Data Sheet SPERSENE†

### 1. Identification

#### 1.1 Product identifier

**Product name** SPERSENE†  
**Product code** PID1529

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

**Recommended Use** Deflocculant. Temperature stabilizer. Filtration-control.  
**Uses advised against** Consumer use

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

**Supplier**  
M-I L.L.C.

P.O.Box 42842  
Houston, TX 77242  
www.miswaco.slb.com  
Telephone: 1 281-561-1511

**Prepared by**  
Global Regulatory Compliance - Chemicals (GRC - Chemicals)

#### 1.4 Emergency Telephone Number

**Emergency telephone** (24 Hour) Australia +61 2801 44558, Asia Pacific +65 3158 1074, China +86 10 5100 3039, Europe +44 (0) 1235 239 670, Middle East and Africa +44 (0) 1235 239 671, New Zealand +64 9929 1483, USA 001 281 561 1600

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### **GHS - Classification**

**Health hazards** Not classified  
**Environmental hazards** Not classified  
**Physical Hazards** Not classified

#### 2.2 Label elements

**Signal word**  
None

**Hazard statements**

This product is not classified as hazardous therefore no (H) hazard statements assigned.

**Precautionary statements**

This product is not classified as hazardous therefore has no (P) precautionary statements assigned.

**Unknown acute toxicity** Not Applicable.

**3. Composition/information on Ingredients**

**3.1 Substances**

Not Applicable

**3.2 Mixtures**

**Comments**

The exact percentage (concentration) of composition has been withheld as a trade secret

**4. First aid measures**

**4.1 First-Aid Measures**

<b>Inhalation</b>	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists.
<b>Eye contact</b>	Promptly wash eyes with lots of water while lifting eye lids. Remove contact lenses. Get medical attention if any discomfort continues.

**4.2 Most important symptoms and effects, both acute and delayed**

**General advice** The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop, the casualty should be transferred to hospital as soon as possible.

**Main symptoms**

<b>Inhalation</b>	Please see Section 11. Toxicological Information for further information.
<b>Ingestion</b>	Please see Section 11. Toxicological Information for further information.
<b>Skin contact</b>	Please see Section 11. Toxicological Information for further information.
<b>Eye contact</b>	Please see Section 11. Toxicological Information for further information.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically

## 5. Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

Water Fog, Alcohol Foam, CO<sub>2</sub>, Dry Chemical.

**Extinguishing media which shall not be used for safety reasons**

Do not use water jet.

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

**Unusual fire and explosion hazards**

None known.

**Hazardous combustion products**

Fire or high temperatures create: Carbon oxides (CO<sub>x</sub>), Sulfur oxides, Chromium fumes.

### 5.3 Advice for firefighters

**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

**Special Fire-Fighting Procedures**

Containers close to fire should be removed immediately or cooled with water.

## 6. Accidental release measures

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

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Use personal protective equipment. See also section 8.

### 6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

**Environmental exposure controls**

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

### 6.3 Methods and materials for containment and cleaning up

**Methods for containment**

Cover powder spill with plastic sheet or tarp to minimize spreading. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.

### 6.4 Reference to other sections

See section 13 for more information.

## 7. Handling and storage

### 7.1 Precautions for safe handling

**Handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid dust formation.

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

**Technical measures/precautions** Ensure adequate ventilation. Keep airborne concentrations below exposure limits. Take precautionary measures against static discharges.

**Storage precautions** Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid heat, flames and other sources of ignition. Protect from moisture Avoid contact with: Oxidizing agents  
Acids

**Packaging material** Use specially constructed containers only.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

#### **Engineering measures to reduce exposure**

Ensure adequate ventilation. Mechanical ventilation or local exhaust ventilation is required.

#### **Personal protective equipment**

<b>Eye protection</b>	Safety glasses with side-shields.
<b>Hand protection</b>	Repeated or prolonged contact:, Use protective gloves made of:, Nitrile, Neoprene, Frequent change is advisable.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required In case of insufficient ventilation wear suitable respiratory equipment Suitable mask with particle filter P3 (European Norm 143) At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.
<b>Skin and body protection</b>	Wear suitable protective clothing, Eye wash and emergency shower must be available at the work place.
<b>Hygiene measures</b>	Wash hands before eating, drinking or smoking, Remove and wash contaminated clothing before re-use.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Solid
<b>Appearance</b>	Powder Dust
<b>Color</b>	Brown
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not applicable

Property	Values	Remarks
pH	2.8 - 4	1%
pH @ dilution		
Melting/freezing point	No information available	
Boiling point/range	No information available	
Flash point	154 °C / 309 °F	PMCC
Evaporation rate (BuAc =1)	No information available	
Flammability (solid, gas)	Not Applicable	

<b>Flammability Limits in Air</b>	
Upper flammability limit	No information available
Lower flammability limit	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Specific gravity</b>	No information available
<b>Bulk density</b>	590 kg/m <sup>3</sup> / 37 lb/ft <sup>3</sup>
<b>Water solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Log Pow</b>	Not determined
<b>Explosive properties</b>	Not Applicable
<b>Oxidizing properties</b>	None known.

**9.2 Other information**

<b>Pour point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content(%)</b>	None
<b>Density</b>	No information available

**10. Stability and reactivity****10.1 Reactivity**

No specific reactivity hazards associated with this product.

**10.2 Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3 Possibility of Hazardous Reactions****Hazardous polymerization**

Hazardous polymerization does not occur.

**10.4 Conditions to avoid**

Protect from moisture. Avoid dust formation. Avoid contact with heat, sparks, open flame, and static discharge.

**10.5 Incompatible materials**

Oxidizing agents. Acids.

**10.6 Hazardous decomposition products**

See Section 5.2.

**11. Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

<b>Inhalation</b>	Inhalation of dust in high concentration may cause irritation of respiratory system.
<b>Eye contact</b>	Dust may cause mechanical irritation.
<b>Skin contact</b>	Prolonged contact may cause redness and irritation.

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<b>Ingestion</b>	Ingestion may cause stomach discomfort.
<b>Sensitization</b>	As a precaution the product should be treated as a sensitizer.
<b>Mutagenic effects</b>	This product does not contain any known or suspected mutagens.
<b>Carcinogenicity</b>	This product does not contain any known or suspected carcinogens.
<b>Reproductive toxicity</b>	This product does not contain any known or suspected reproductive hazards.
<b>Developmental toxicity</b>	Not known to cause birth defects or have a deleterious effect on a developing fetus.
<b>Routes of exposure</b>	None known.
<b>Routes of entry</b>	No route of entry noted.
<b>Specific target organ toxicity (single exposure)</b>	Not classified
<b>Specific target organ toxicity (repeated exposure)</b>	Not classified.
<b>Aspiration hazard</b>	Not Applicable.

## 12. Ecological information

### 12.1 Toxicity

#### **Toxicity to algae**

This product is not considered toxic to algae.

#### **Toxicity to fish**

This product is not considered toxic to fish.

#### **Toxicity to daphnia and other aquatic invertebrates**

This product is not considered toxic to invertebrates.

### 12.2 Persistence and degradability

No product level data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

Soluble in water.

### 12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)  
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

**12.6 Other adverse effects.**

None known.

**13. Disposal considerations**

**13.1 Waste treatment methods**

**Disposal Method** Disposal should be made in accordance with federal, state and local regulations.  
**Contaminated packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

**14. Transport information**

**14.1 UN Number**

Not regulated  
**UN No. (DOT)** Not regulated  
**UN/ID No. (ADR/RID/ADN/ADG)** Not regulated  
**UN No. (IMDG)** Not regulated  
**UN No. (ICAO)** Not regulated

**14.2 Proper shipping name**

The product is not covered by international regulation on the transport of dangerous goods

**14.3 Hazard class(es)**

**DOT Hazard class** Not regulated  
**ADR/RID/ADN/ADG Hazard class** Not regulated  
**IMDG Hazard class** Not regulated  
**ICAO Hazard class/division** Not regulated

**14.4 Packing group**

**DOT Packing group** Not regulated  
**ADR/RID/ADN/ADG Packing group** Not regulated  
**IMDG Packing group** Not regulated  
**ICAO Packing group** Not regulated

**14.5 Environmental hazard**

Marine pollutant No

**14.6 Special precautions**

Not Applicable

**15. Regulatory information**

**International inventories**

<b>USA (TSCA)</b>	Complies
<b>Canada (DSL)</b>	Complies
<b>European Union (EINECS and ELINCS)</b>	Does not Comply
<b>Philippines (PICCS)</b>	Does not Comply
<b>Japan (ENCS)</b>	Does not Comply
<b>China (IECSC)</b>	Does not Comply

**Australia (AICS)**  
**Korean (KECL)**  
**New Zealand (NZIoC)**

Complies  
Does not Comply  
Does not Comply

**U.S. Federal and State Regulations**

**State Comments**

Proposition 65: This product is not known to contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer and/or reproductive toxicity at levels that are expected to pose a significant risk under anticipated use conditions.

**16. Other information**

**Supersedes date** 09/Sep/2014

**Revision date** 08/Dec/2015

**Version** 9

**The following sections have been revised:** 2. Hazards Identification 3. Composition/information on Ingredients 11. Toxicological information 14. Transport information Section 16: Other information.

**HMIS classification**

Health	1
Flammability	1
Physical hazard	0
PPE	X

†A mark of M-I L.L.C.

**Disclaimer**

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