

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** PERAFOAM™

### Other means of identification

**Product Code** 30171

### Recommended use of the chemical and restrictions on use

**Recommended Use** Foam additive

**Uses advised against** Follow the directions for use on the label when applying this product

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

#### Manufacturer Address

PSSI Chemical Innovations  
3729 Peddle Hollow Road  
Kieler, WI 53812 USA

#### Emergency telephone number

**Company Phone Number** 888-671-5366  
**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 1
Skin corrosion/irritation	Category 2
Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4

### Label elements

#### Emergency Overview

#### Danger

#### Hazard statements

Causes serious eye damage  
Causes skin irritation  
Harmful if swallowed  
Harmful in contact with skin



**Appearance** Aqueous solution

**Color** Clear, Colorless

**Odor** Mild soap

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection

#### Precautionary Statements - Response

Specific treatment (see Section 4 on SDS)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor

IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

No other hazards classified

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%
Sodium lauryl sulfate	151-21-3	5-10
Sodium dodecylbenzenesulfonate	25155-30-0	5-10
Non-hazardous components	Proprietary	80-90

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

**4. FIRST AID MEASURES****First aid measures****Eye contact**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing and shoes before reuse.

**Inhalation**

Remove to fresh air. Get medical attention if symptoms occur.

**Ingestion**

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

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

See Section 11 for symptom information.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Dry chemical. Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Foam.

**Unsuitable extinguishing media**

No information available.

**Specific hazards arising from the chemical**

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

**Explosion data****Sensitivity to Mechanical Impact**

None.

**Sensitivity to Static Discharge**

None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal precautions**

Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

**For emergency responders**

Isolate area. Keep unnecessary personnel away.

**Environmental precautions****Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. See section 12 for additional ecological information.

**Methods and material for containment and cleaning up****Methods for containment**

Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up**

Small spills may be mopped up, flushed away with water or absorbed on some absorbent material. Large spills should be contained; the material then moved into containers and disposed of by approved methods.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on safe handling**

Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

**Incompatible materials**

None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Controls** Showers, eyewash stations, ventilation system.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Splash proof chemical goggles and face shield.

**Skin and body protection** Chemical resistant gloves, suit and boots.

**Respiratory protection** No protective equipment is needed under normal use conditions.

**General Hygiene Considerations** Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild soap
<b>Appearance</b>	Aqueous solution	<b>Odor threshold</b>	No information available
<b>Color</b>	Clear, Colorless	<b>Remarks • Method</b>	
<b>Property</b>	<b>Values</b>		
<b>pH</b>	7		±0.5 @ 21°C
<b>Melting point / freezing point</b>	No information available		
<b>Boiling point / boiling range</b>	101 °C / 214 °F		
<b>Flash point</b>	Not flammable		
<b>Evaporation rate</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	No information available		
<b>Lower flammability limit:</b>	No information available		
<b>Vapor pressure</b>	No information available		
<b>Vapor density</b>	No information available		
<b>Specific Gravity</b>	1.05 g/cc		
<b>Water solubility</b>	Completely soluble		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	No information available		
<b>Decomposition temperature</b>	No information available		
<b>Kinematic viscosity</b>	35-55 cSt @ 20°C		
<b>Dynamic viscosity</b>	No information available		
<b>Explosive properties</b>	No information available		
<b>Oxidizing properties</b>	No information available		
<b>VOC Content (%)</b>	No data available		

## 10. STABILITY AND REACTIVITY

**Reactivity**

Non-reactive

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

None known.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Inhalation** Not a respiratory irritant.

**Eye contact** Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

**Skin Contact** May cause irritation. Harmful if absorbed through skin. Repeated exposure may cause skin dryness or cracking.

**Ingestion** May cause irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium lauryl sulfate 151-21-3	= 1288 mg/kg ( Rat )	= 200 mg/kg ( Rabbit )	> 3900 mg/m <sup>3</sup> ( Rat ) 1 h
Sodium dodecylbenzenesulfonate 25155-30-0	= 438 mg/kg ( Rat ) = 500 mg/kg ( Rat )	-	-

**Information on toxicological effects**

<b>Symptoms</b>	No information available.
<b><u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u></b>	
<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.
<b><u>Numerical measures of toxicity - Product Information</u></b>	
<b>Unknown Acute Toxicity</b>	No information available
<b>Oral LD50</b>	2,000 mg/kg (rat)
<b>Dermal LD50</b>	2,000 mg/kg (rabbit)
<b>Inhalation LC50</b>	No information available

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

This product is not expected to be dangerous to the environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium lauryl sulfate 151-21-3	53: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 30-100: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 3.59-15.6: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 117: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	8-12.5: 96 h <i>Pimephales promelas</i> mg/L LC50 static 22.1-22.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static 6.2-9.6: 96 h <i>Pimephales promelas</i> mg/L LC50 1.31: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static 5.8-7.5: 96 h <i>Pimephales promelas</i> mg/L LC50 static 13.5-18.3: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static 4.06-5.75: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 10.8-16.6: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 4.2: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 9.9-20.1: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 10.2-22.5: 96 h <i>Pimephales promelas</i> mg/L LC50 semi-static 7.97: 96 h <i>Brachydanio rerio</i> mg/L LC50 flow-through 4.3-8.5: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 4.62: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 15-18.9: 96 h <i>Pimephales promelas</i> mg/L LC50 static 4.2-4.8: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 4.5: 96 h <i>Lepomis macrochirus</i> mg/L LC50	1.8: 48 h <i>Daphnia magna</i> mg/L EC50
Sodium dodecylbenzenesulfonate 25155-30-0	-	10.8: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	-

**Persistence and degradability**

Not expected to persist. Readily biodegradable.

**Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
Sodium lauryl sulfate - 151-21-3	1.6

**Mobility**

Soluble in water.

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**Note:** Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications. Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

**DOT** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** No information available

DSL/NDSL No information available  
 EINECS/ELINCS No information available

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard Yes  
 Chronic Health Hazard No  
 Fire hazard No  
 Sudden release of pressure hazard No  
 Reactive Hazard No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium dodecylbenzenesulfonate 25155-30-0	1000 lb	-	-	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium dodecylbenzenesulfonate 25155-30-0	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium dodecylbenzenesulfonate 25155-30-0	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

**NFPA** Health hazards 1 Flammability 0 Instability 0 Physical and Chemical Properties None  
**HMIS** Health hazards 1 Flammability 0 Physical hazards 0 Personal protection B (safety glasses, gloves)

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 Revision Note New information on raw ingredient has become available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The health hazards given on this SDS apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

**End of Safety Data Sheet**