

**CALFOAM® SLS-30****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: CALFOAM® SLS-30
Company Address: 2744 East Kemper Road
Cincinnati, Ohio 45241
Emergency Telephone Number: Chemtrec 1-800-424-9300
Pilot Chemical Corporate Office 1-513-326-0600

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS-No | Weight % | OSHA PEL |
|---|------------|----------|----------|
| Sulfuric acid, mono-C10-16-alkyl esters, sodium salts | 68585-47-7 | 27-32 | - |
| Alcohols, C10-16 | 67762-41-8 | 0-2 | - |
| Water | 7732-18-5 | 66-73 | - |

3. HAZARD INFORMATION

Emergency Overview: Irritant

Potential Health Effects:

- Eyes:** Contact with eyes may cause irritation.
- Skin:** Substance may cause slight skin irritation.
- Inhalation:** May cause irritation of respiratory tract.
- Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects: No information available

4. FIRST AID MEASURES

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Ingestion: Drink plenty of water. Do not induce vomiting without medical advice. Consult a physician.

5. FIRE FIGHTING MEASURES

Flammable Properties: Non-flammable water solution.
Flammable Limits: Not Determined.
Hazardous Combustion Products: Oxides of carbon and sulfur.

FIRE FIGHTING INSTRUCTIONS:

Method: Water mist may be used to cool closed containers.
Suitable Extinguishing Media: Water spray. Foam. Dry powder. Carbon dioxide (CO₂).

Unusual Fire & Explosive Hazards None

6. ACCIDENTAL RELEASE MEASURES

Small Spill Recover all usable material. Soak up balance with sand or dirt. Material is slippery on wet or hard surfaces.

Large Spill In case of a large spill by truck use small spill procedure and a vacuum truck. Call CHEMTREC at 1-800-424-9300.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

Storage Containers should be stored at temperatures between 60°F and 100°F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Eye/face Protection Tightly fitting safety goggles. If splashes are likely to occur, wear a face-shield.

Skin Protection Wear protective gloves/clothing.

Respiratory Protection No special protective equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point/Range Not available

Vapor Pressure 0.003 mm Hg @ 25°C

% Volatile by Weight 66-73

Water Solubility Soluble in all proportions.

Specific Gravity 1.03-1.05

pH 7-9

Odor Slight

Appearance Clear water white to pale yellow.

Physical State Liquid

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions

Incompatible Materials Strong oxidizing agents. Strong acids.

Conditions to Avoid Strong oxidizers. Do not mix with strong acid solutions.

Hazardous Decomposition Products None under normal use

Hazardous Polymerization No information available

11. TOXICOLOGICAL INFORMATION

| Component | LD50 Oral | LC50 Inhalation | LD50 Dermal |
|---|---------------------|-----------------|--|
| Sulfuric acid, mono-C10-16-alkyl esters, sodium salts | 2000 mg/kg (Rat) | | |
| Alcohols, C10-16 | 10000 mg/kg (Rat) | | 11300 mg/kg (Rabbit) 2000 mg/kg (Rat) |

| | |
|-------------------------|--------------------------|
| Eyes | Eye Irritation |
| Skin | Skin Irritation |
| Ingestion | Unknown |
| Inhalation | Unknown |
| Chronic Toxicity | No information available |
| Carcinogenicity | Product is not listed. |
| Hazard Type | Skin/Eye Irritant. |

12. ECOLOGICAL INFORMATION

| | |
|----------------------------|---|
| Ecotoxicity effects | This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. |
| Chemical Fate | Materially is readily biodegradable. |

13. DISPOSAL CONSIDERATIONS

| | |
|------------------------------|--|
| Waste Disposal Method | Dispose of contents/container in accordance with local regulation. |
|------------------------------|--|

14. TRANSPORTATION INFORMATION

| | |
|------------------------|---------------|
| <u>DOT</u> | Not regulated |
| <u>ICAO</u> | Not regulated |
| <u>IATA</u> | Not regulated |
| <u>IMDG/IMO</u> | Not regulated |
| <u>RID</u> | Not regulated |
| <u>ADR</u> | Not regulated |

15. REGULATORY INFORMATION

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International Inventories

| Component | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | CHINA | KECL | PICCS | AICS |
|---|---------|-----|------|-----------|--------|------|-------|----------|-------|------|
| Sulfuric acid, mono-C10-16-alkyl esters, sodium salts | Present | X | - | 271-557-7 | - | X | X | KE-32620 | X | X |
| Alcohols, C10-16 | Present | X | - | 267-019-6 | - | X | X | KE-00301 | X | X |
| Water | X | X | - | X | - | X | X | X | X | X |

USA

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 Hazardous Categorization

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

16. OTHER INFORMATION

Revision Date 09/12/2008

Prepared By Thomas A. Fabré

Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.