



# MATERIAL SAFETY DATA SHEET

New

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **CALFOAM<sup>®</sup> SLS-30**  
Chemical or Common Name: Sodium lauryl sulfate; Sulfuric acid, mono C<sub>10-16</sub> alkyl esters, sodium salts.

Pilot Chemical Company  
2744 E. Kemper Road  
Cincinnati, Ohio 45241 U.S.A.

Emergency Phone No.  
1-513 -326-0600 (8 - 4 EST)  
CHEMTREC: 1-800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component:                   | CAS# :      | Exposure Limits: | Wt. %: |
|------------------------------|-------------|------------------|--------|
| Sodium lauryl sulfate        | 000151-21-3 | Not Established  | 28-30  |
| Alcohols, C <sub>10-16</sub> | 067762-41-8 | Not Established  | 1.2    |
| Water                        | 007732-18-5 | Not Established  | Bal.   |

## 3. HAZARDS INFORMATION:

**EMERGENCY OVERVIEW:** May be irritating to the skin and eyes.

**Potential Health Effects:**

**EYE:** Causes irritation, experienced as pain, with excess blinking and tear production.

**SKIN:** Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation and discomfort, seen as local redness and swelling.

**INGESTION:** May cause abdominal discomfort, nausea, diarrhea, and vomiting.

**INHALATION:** Not an expected route of entry.

## 4. FIRST AID MEASURES:

**EYES:** Immediately flush eyes including under the eyelids with running water for 15 minutes. Seek medical assistance if irritation persists.

**SKIN:** Wash area thoroughly with water. Contaminated clothing should be washed before reuse.

**INGESTION:** Drink several glasses of water. Do not induce vomiting. Call a physician.

**INHALATION:** Not applicable.

## 5. FIRE FIGHTING MEASURES:

**FLAMMABLE PROPERTIES:** Non-flammable water solution.

**FLAMMABLE LIMITS:** Not applicable.

**COMBUSTION PRODUCTS:** Water must be boiled-off before product will burn. Burns to produce oxides of carbon and sulfur in large fires.

**FIRE FIGHTING INSTRUCTIONS:**

**Extinguishing Media:** Water spray (fog) or foam for large fires. CO<sub>2</sub> or dry chemicals for small fires.

**Fire Fighting Procedures:** The liquid will not sustain combustion.

**Unusual Fire & Explosive Hazards:** None.

**NFPA:** H1= Slightly Hazardous; F0 = Will not burn; R0 = Normally Stable

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**6. ACCIDENTAL RELEASE MEASURES:**

**SMALL SPILLS:**

**Steps to be taken in case material is leaked or spilled:** Recover all material practical for use. Soak up balance with an absorbent and haul to an approved dump. Wash the contaminated area with water. The washings should be discharged to a plant or municipal process water treatment systems. Avoid direct discharge to natural waterways.

**LARGE SPILLS:**

In case of large spill by truck or rail car, recover what you can with a vacuum truck. Soak up balance with an absorbent. Call **CHEMTREC at 1-800-424-9300**.

**7. HANDLING AND STORAGE:**

**HANDLING:** Wash thoroughly after handling. Do not get in eyes. Avoid skin and clothing contact. (See Section 8 for additional information.)

**STORAGE:** Containers should be stored at temperatures between 60 and 100°F. Do not store with strong oxidizing agents. Avoid excessive heat.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

**ENGINEERING CONTROLS:** No special controls required.

**RESPIRATORY PROTECTION:** Not required.

**SKIN PROTECTION:** Protective gloves (PVC - coated), long sleeve shirt, trousers, and chemical resistant boots.

**EYE PROTECTION:** Safety glasses, goggles, or full face-shield.

**Other Protection:** Eye bath and safety shower located near work process area.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

|                              |                                  |
|------------------------------|----------------------------------|
| Boiling Point:               | Foams up at approximately 200°F. |
| Vapor Pressure:              | < 25 mm Hg @ 25°C.               |
| % Volatile by Weight:        | ~70                              |
| Solubility in Water:         | Infinite.                        |
| Specific Gravity:            | 1.03 – 1.05.                     |
| Density @ 77°F (25°C):       | 8.6 – 8.8 Lbs/gal                |
| pH of Liquid, (10%) typical: | 7.0 – 8.5.                       |
| Odor:                        | Slight fatty detergent odor.     |
| Appearance:                  | Slightly hazy liquid.            |

**10. STABILITY AND REACTIVITY:**

**Chemical Stability:** Stable at normal temperatures and pressures.

**Incompatibility:** Strong oxidants, strongly acidic solutions.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Do not mix with strong acid solutions. Temperatures < 55 °F > 150°F.

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**11. TOXICOLOGICAL INFORMATION:**

**EYES:** 100mg /24H (eye-rbt) (moderate).

**SKIN:** Skin of rabbit 25 mg/24H (moderate) (JSCCA 523,371,72)

**INGESTION:** Oral RAT LD<sub>50</sub>: 1288 mg/kg.

**INHALATION:** Unknown.

**CARCINOGENICITY:** NTP, IARC, OSHA Reg.: Product Not Listed.

**TLV:** Not established for product. Formaldehyde - See Section #15.

**Hazard Type:** Skin Irritant.

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**12. ECOLOGICAL INFORMATION:**

**ECOTOXICOLOGICAL INFORMATION:** This product is readily biodegradable in wastewater treatment systems. Discharge of large quantities into the aquatic environment may kill fish and other aquatic organisms.

**CHEMICAL FATE INFORMATION:** Complete biodegradation of the primary alkyl sulfates was observed within seven (7) days.

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**13. DISPOSAL CONSIDERATIONS:**

Dispose of the material per federal, state, and local regulations.

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**14. TRANSPORTATION INFORMATION:**

Proper Shipping Name: Non-Regulated (Calfoam<sup>®</sup>SLS-30).

Emergency Response Guide No.: Non-Regulated

EPA Reportable Quantity: Non-Regulated.

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**15. REGULATORY INFORMATION:**

FEDERAL EPA

**TSCA STATUS:**

All chemicals contained in this product are on the TSCA Chemical Substance Inventory.

**CERCLA:**

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

SARA Title III - Sections 302, 304, 311, 312, 313

Components present in this product at a level which could require reporting under the Statute are:

| Chemical:    | CAS#:       | Concentration % : | RQ (lbs): |
|--------------|-------------|-------------------|-----------|
| Formaldehyde | 000050-00-0 | 0.06              | 100       |

Formaldehyde is identified as an EXTREMELY HAZARDOUS SUBSTANCE under SARA Title III, Section 302.

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**15. REGULATORY INFORMATION (Continued):**

**FEDERAL EPA - (Continued)**

SARA Title III - Sections 313: Formaldehyde is identified as a TOXIC CHEMICAL, but is not subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372, because it is present in less than 0.1 % by weight concentration.

**Volatile Organic Compounds:** None present.

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**INTERNATIONAL REGULATIONS**

**(EC) ECOTOXICOLOGICAL INFORMATION:** This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Global Status:** Australia – AICS; Canada – DSL; EEC – EINECS; Japan – ENCS; Korea – ECL; Philippines-PICCS; and China – IECSC, all listed.

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**STATE RIGHT-TO-KNOW**

**CALIFORNIA Proposition 65:** Formaldehyde is known to the state of California to cause cancer, birth defects, or other reproductive harm and may be found in the vapors. See SARA Title III information.

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**MASSACHUSETTS Right-To-Know, Substance List (MSL):** Hazardous Substances present in this product at a level which could require reporting under the statute are: See SARA Title III information.

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**NEW JERSEY Right-to-Know:** Calfoam® SLS-30 is subject to the New Jersey labeling requirements on both package and bulk storage tanks. See Section #2 and SARA Title III information.

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**PENNSYLVANIA Right-To-Know, Hazardous Substance List:** Hazardous substances present in this product at a level that could require reporting under the statute are: See SARA Title III information.

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**16. OTHER INFORMATION:**

**HMIS: H1-F0-R0-PC**

This data sheet is for information purposes only and is accurate to best of Pilot Chemical Company's knowledge. The manufacture makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained therein. Expires when revised, but no later than 5/26/2007.

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