

MATERIAL SAFETY DATA SHEET**1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

Trade Name **STEPANOL ME-DRY**
 Manufacturer Stepan Company
 22 West Frontage Road
 Northfield, IL 60093 USA

Telephone Numbers - 24 Hour Emergency Assistance

Medical 800-228-5635
 Chemtrec 800-424-9300
 Chemtrec Int'l 703-527-3887

Telephone Numbers - General Assistance

General (847) 446-7500

Product Class Alkyl sulfate

Product Number 0615

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent
Sodium lauryl sulfate	151-21-3	93 - 100%
Lauryl alcohol	112-53-8	3.5% MAX
Sodium chloride	7647-14-5	2% MAX
Water	7732-18-5	2% MAX
Sodium sulfate	7757-82-6	3.5% MAX

3 HAZARDS IDENTIFICATION**Emergency Overview**

Powder, white color.

Warning! Irritant

May cause severe irritation to eyes and skin.

Health Effects: Eyes

This product may be severely irritating to the eyes.

Health Effects: Skin

This product may be severely irritating to the skin.

Health Effects: Inhalation

Inhalation of dusts may cause respiratory irritation.

Health Effects: Ingestion

Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

4 FIRST AID MEASURES

Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

Skin

For skin contact flush with large amounts of water. If irritation persists, get medical attention. Immediately take off all contaminated clothing. Wash contaminated clothing before reuse.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion

If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting.

5 FIRE FIGHTING MEASURES

Flash Point (> 93.9 °C), > 201 F PMCC

Fire and Explosion Hazards

Dusts may form an explosive mixture with air.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment / Instructions

Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES

Emergency Action:

Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Wear appropriate personal protective equipment during cleanup. Cover powder spill with plastic sheet or tarp to minimize spreading. Use clean non-sparking tools to collect absorbed material. With clean shovel place material into clean, dry container; move containers from spill area. Prevent entry into waterways, sewers, basements or confined areas.

7 HANDLING & STORAGE

Handling Procedures

Avoid contact with skin and eyes. Avoid breathing dusts from this material. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Storage Procedures

Avoid dispersion of dust in air. Prevent electrostatic charge buildup by using common bonding and grounding techniques. Store in a cool, dry, well-ventilated area.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product. Use explosion-proof equipment if high dust/air concentrations are possible. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal Protective Equipment: Eyes/Face

Wear dust goggles.

Personal Protective Equipment: Skin

Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves. Use impervious gloves.

Personal Protective Equipment: Respiratory

If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

9 PHYSICAL & CHEMICAL PROPERTIES

Flash Point	(> 93.9 °C), > 201 F PMCC
Boiling Point	(> 212 °F), > 100 C
Specific Gravity	(3.994 lb/gal), 0.48 g/ml
Percent Volatile	2 % (w/w)
Vapor Pressure	Not Determined or Unknown
Vapor Density	Estimated lighter than air.
Evaporation Rate	Estimated slower than ethyl ether.
RVOC	0 %
pH Value	8.5 - 11 @1% Aqueous

Appearance and Odor

Powder, white color.

10 STABILITY & REACTIVITY

Chemical Stability

Stable under normal conditions.

Conditions to Avoid

Avoid dispersion of dust in air.

Incompatibility

This product may react with strong acids or oxidizing agents.

Hazardous Decomposition

Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

Hazardous Polymerization

Will not occur.

11 TOXICOLOGICAL INFORMATION

Carcinogenicity

Not listed as carcinogenic according to IARC, NTP or OSHA.

Other Toxicological Information

Information available upon request. Please contact Stepan Technical Service Department.

LD50 Value

Oral LD50 (rat) = >500 - 5000 mg/kg

Dermal LD50 (rabbit) = >2,000 < or equal to 20,000 mg/kg

_Sodium lauryl sulfate **151-21-3**

NIOSH - Selected LD50s and LC50s

Inhalation LC50 Rat: >3900 mg/m³/1H; Oral LD50 Rat: 1288 mg/kg

_Sodium sulfate **7757-82-6**

NIOSH - Selected LD50s and LC50s

Oral LD50 Mouse: 5989 mg/kg

_Lauryl alcohol **112-53-8**

NIOSH - Selected LD50s and LC50s

Oral LD50 Rat: >12800 mg/kg

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic LC50 = >10-100 mg/L

Information available upon request. Please contact Stepan Technical Service Department.

Environmental Fate

This product class is readily biodegradable.

13 DISPOSAL CONSIDERATIONS

Disposal Instructions

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

14 TRANSPORT INFORMATION

DOT Proper Shipping Name Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

15 REGULATORY INFORMATION

Ingredient Name	CAS Number	Percent
_Sodium lauryl sulfate	151-21-3	93 - 100%
_Lauryl alcohol	112-53-8	3.5% MAX
_Sodium chloride	7647-14-5	2% MAX

Ingredient Name	CAS Number	Percent
Water	7732-18-5	2% MAX
_Sodium sulfate	7757-82-6	3.5% MAX

Inventories

All components of this product are listed on the following inventories: U.S.A.(TSCA), Canada(DSL), Europe(EINECS/ELINCS/Polymer/NLP), Japan(ENCS), Australia(AICS), Korea(ECL), Philippines(PICCS)Swiss (SWISS),

There is no calculable reportable quantity (RQ) for this product.

16 OTHER INFORMATION

Disclaimer

Disclaimer: Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be held liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

HAZARD RATINGS	HMIS	NFPA
Health	2	2
Flammability	1	1
Reactivity	0	0
PPE	X	

Completed On 8/25/2005 Replaces Sheet Dated 08/20/2004
 Completed By Product Safety & Compliance