

MATERIAL SAFETY DATA SHEET

MSDS P-112 REVISION 5

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SUBSTANCE IDENTIFICATION

SUBSTANCE: AMMONIUM LAURYL SULFATE SOLUTION

TRADE NAMES/SYNONYMS: **AMMONIUM LAURYL SULFATE SOLUTION; SULFRAMIN ALS**

TSCA NAME: **C10-16 ALCOHOL SULFURIC ACID, AMMONIUM SALTS**

CHEMICAL FAMILY: Mixture

I.D. NUMBER: 800417

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0
HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0

HAZARDOUS INGREDIENT INFORMATION

COMPONENT: AMMONIUM LAURYL SULFATE CAS# 2235-54-3

Carcinogen status of components: Not listed as carcinogenic by NTP, IARC, or OSHA.

PHYSICAL AND CHEMICAL DATA

DESCRIPTION: Very viscous, hazy, colorless to slightly yellow liquid with a mild, slightly sweet chemical odor.

SPECIFIC GRAVITY: 1.015-1.035 PH: 6.0 – 7.0 (10% aqueous solution)

SOLUBILITY IN WATER: Complete. VISCOSITY: 1500-5000 cps @ 25 °C

FIRE AND EXPLOSION DATA

FLASHPOINT: > 200 °F (> 93 °C) OSHA FLAMMABILITY CLASSIFICATION: IIIB

FIRE AND EXPLOSION HAZARD - Negligible fire hazard when exposed to heat or flame.

FIRE FIGHTING MEDIA - Dry chemical, carbon dioxide, water spray or regular foam. For larger fires, use water spray, fog or regular foam.

FIRE FIGHTING - Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

HEALTH HAZARD DATA

NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are

consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

ACUTE HEALTH EFFECTS:

- INHALATION:** Not a likely route of exposure, however, high vapor concentrations may cause irritation of the upper respiratory tract.
- SKIN CONTACT:** Repeated or prolonged excessive exposure may cause dermatitis.
- EYE CONTACT:** May cause moderate to severe irritation.
- INGESTION:** May cause oral or gastrointestinal irritation, vomiting, and diarrhea.

CHRONIC HEALTH EFFECTS: None known.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Pre-existing skin conditions.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove from exposure area to fresh air immediately. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

SKIN CONTACT: Rinse affected area with plenty of water until no evidence of material remains. Get medical attention if irritation persists.

EYE CONTACT: Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of material remains. Get medical attention if pain or irritation persist.

INGESTION: Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

REACTIVITY

REACTIVITY - Stable under normal temperatures and pressures.

INCOMPATIBILITIES: Strong oxidizers, nitrite salts, potassium chlorate.

DECOMPOSITION - Thermal decomposition may release toxic and/or hazardous gases, including toxic and corrosive fumes of ammonia.

POLYMERIZATION - Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

STORAGE AND DISPOSAL

Store away from incompatible substances. Observe all federal, state and local regulations when storing or disposing of this substance.

CONDITIONS TO AVOID

Avoid contact with incompatible substances and excessive heat.

SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL - Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into clean, dry containers for later disposal. Keep unnecessary people away; isolate hazard area and restrict entry.

OCCUPATIONAL PROTECTIVE EQUIPMENT

VENTILATION - Good general ventilation should be sufficient for most conditions.

RESPIRATOR - If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS -

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

CLOTHING - Protective clothing is required where repeated or prolonged skin contact may occur.

GLOVES - Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

EYE PROTECTION - Safety glasses are required to prevent eye contact where splashing of product may occur.

REGULATORY INFORMATION

DOT FLAMMABILITY CLASSIFICATION:	Not applicable.
DOT SHIPPING NAME:	No classification currently assigned.
EPA - SARA TITLE III SECTION 302:	Not applicable.
EPA - SARA TITLE III SECTION 304:	Not applicable.
EPA - SARA TITLE III SECTION 311/312:	Acute Hazard: Yes.
EPA - SARA TITLE III SECTION 313:	Toxic chemical - None.
CERCLA SECTION 103:	Not applicable.
TSCA:	All components of this product are listed or are exempted or excluded from listing on the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

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MSDS CREATION DATE: 03/26/90

SUPERSEDES: 12/12/97; Rev. 4

REVISION DATE: 11/01/04

REVISION: Updated ID Numbers, address information, Substance ID, Hazardous Ingredients, Physical & Chemical Data, Fire & Explosion, and Reactivity sections.