

# MATERIAL SAFETY DATA SHEET

## MSDS L-159 REVISION 5

DPR 80766, 84016, 88047  
DPR 84014, DPR 97501

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### SUBSTANCE IDENTIFICATION

**SUBSTANCE:** LIQUID ANTIMICROBIAL SOAP

**TRADE NAMES/SYNONYMS:** PROFESSIONAL LIQUID DIAL ANTIMICROBIAL SOAP (BCM); PROFESSIONAL LIQUID DIAL ANTIMICROBIAL SOAP with MOISTURIZERS & VITAMIN E (BCM)

**CHEMICAL FAMILY:** Mixture

**I.D. NUMBERS:** 901729 (Liquid Dial), 901750 (Liquid Dial with Moisturizers & Vitamin E)

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

This product is labeled in accordance with guidelines set forth in the Food, Drug, and Cosmetic Act. The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this Material Safety Data Sheet may differ from the requirements of the FD & C Act and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

### HAZARDOUS INGREDIENTS INFORMATION

COMPONENT: AMMONIUM LAURYL SULFATE	CAS# 2235-54-3
COMPONENT: GLYCERIN (as mist): 5 mg/m <sup>3</sup> OSHA TWA (respirable fraction); 10 mg/m <sup>3</sup> OSHA TWA (total mist) 10 mg/m <sup>3</sup> ACGIH TWA (mist)	CAS# 56-81-5
COMPONENT: LAURAMIDE DEA	CAS# 120-40-1
COMPONENT: SODIUM LAURETH SULFATE	CAS# 9004-82-4

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

### PHYSICAL AND CHEMICAL DATA

**DESCRIPTION:** Clear gold or opaque white liquid with a pleasant fragrance.

**BOILING POINT:** >200°F (>93°C)

**SPECIFIC GRAVITY:** 1.017 ± 0.005 @ 25°C

**pH:** 5.8-6.7 @ 25°C

**VISCOSITY:** 3000-11000 cps @ 25°C  
(Brookfield LVF, Spindle #3, 12 rpm)

**SOLUBILITY IN WATER:** Nearly complete.

**FIRE AND EXPLOSION DATA**

**FIRE AND EXPLOSION HAZARD** - Slight 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. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Extinguish only if flow can be stopped; use flooding amounts of water as a fog, solid streams may be ineffective. Avoid breathing 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:** Unlikely to occur due to the physical properties of the product.
- SKIN CONTACT:** Repeated or prolonged excessive exposure may cause irritation or dermatitis.
- EYE CONTACT:** May cause moderate to severe irritation, with possibility of corneal injury.
- INGESTION:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**CHRONIC HEALTH EFFECTS:**

Due to the nature and composition of this product, no subchronic/chronic health effects are anticipated. Nonetheless, the following effects have been reported for one of the product's components:

This product may contain greater than 0.1% DEA. The National Toxicology Program has concluded that there is clear evidence of liver tumor and some evidence of kidney tumor in mice dermally exposed for their lifetime to diethanolamine.

The significance of these findings and their relevance to humans is not clear. Diethanolamine is not genotoxic (neither mutagenic or clastogenic) and did not induce tumors in rats or in transgenic mice similarly treated. Additional research to better understand these findings and their relevance to humans, if any, is underway. Normal use of this product is not expected to produce these effects.

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

**EMERGENCY AND FIRST AID PROCEDURES**

**INHALATION:** Immediately remove from exposure area to fresh air. 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 product 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 product remains. Get medical attention if pain or irritation persists.

**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, acids, peroxides.

**DECOMPOSITION** - Thermal decomposition may release toxic and/or hazardous gases, including 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 excessive heat and incompatible substances.

#### 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 containers for later disposal. For larger spills, dike far ahead of spill for later disposal. Keep unnecessary people away, isolate hazard area and restrict entry.

#### OCCUPATIONAL PROTECTIVE EQUIPMENT

**VENTILATION** - Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

**RESPIRATOR** - Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits. 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.

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**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.

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**REGULATORY INFORMATION**

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**DOT FLAMMABILITY CLASSIFICATION:**

Not applicable.

**EPA - SARA TITLE III SECTION 313:**

Not applicable - Consumer product.

**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: 05/20/96****SUPERSEDES: 7/24/98 Rev. 4****REVISION DATE: 11/02/00****REVISION: Updated Substance Identification and Fire and Explosion Data.**