

# MATERIAL SAFETY DATA SHEET

## LIQUID HAND SOAP

DATE: 12/31/03  
SUPERSEDES: 1/4/01

HAZARD RATINGS (0-4)  
FIRE 0 REACTIVITY 0  
TOXICITY 1 SPECIAL

SUPPLIER: MIDLAND PRODUCTS  
18600 GRAPHICS COURT TINLEY PARK, IL 60477  
(708) 444-8200

TRADE NAME: LIQUID HAND SOAP  
PRODUCT TYPE: LIQUID HAND SOAP  
CHEMICAL FORMULA: MIXTURE  
CHEMICAL NAME: AQUEOUS SURFACTANT BLEND

### COMPONENT LIST - SECTION I

<u>COMPONENT</u>	<u>CAS</u>	<u>REG#</u>	<u>%</u>	<u>TLV</u> <u>OSHA</u>	<u>TLV</u> <u>ACGIH</u>
SODIUM LAURYL SULFATE	151-21-3		2 - 5	N/A	N/A
SODIUM C14 - C16 OLEFIN SULFONATE	684-39-57-6		1 - 3	N/A	N/A
OLEAMIDE DEA	93-83-4		1 - 2	N/A	N/A
COCOAMIDE DEA	686-03-42-9		1 - 2	N/A	N/A

This product contains no ingredients that are listed in the SARA III, Section 313 Inventory.

### PHYSICAL PROPERTIES - SECTION II

APPEARANCE: CLEAR, FLUORESCENT YELLOW LIQUID WITH LIGHT FLORAL ODOR  
pH: 6.1  
VISCOSITY: 10 @ 25° C  
FREEZING POINT: 32° F, WATER  
BOILING POINT: 212° F, WATER  
VAPOR PRESSURE: <18  
VAPOR DENSITY: >1  
SOLUBILITY IN WATER: COMPLETE  
VOLATILE (% WT): 90 - 95  
SPECIFIC GRAVITY: 1.01  
EVAPORATION RATE: <1

### FIRE AND EXPLOSION HAZARD - SECTION III

FLASH POINT: NONE, WATER SOLUTION  
LOWER EXPLOSION LIMIT: N/A UPPER EXPLOSION LIMIT: N/A  
AUTO IGNITION TEMP: N/A  
EXTINGUISHING MEDIUM: FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER SPRAY

#### SPECIAL FIRE FIGHTING PROCEDURES:

COOL AND USE CAUTION WHEN APPROACHING FIRE-EXPOSED CONTAINERS

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

CONTAINERS MAY BURST IN HEAT OF FIRE

### HEALTH HAZARDS - SECTION IV

THRESHOLD LIMIT VALUES: NONE ESTABLISHED  
PRIMARY ROUTES OF EXPOSURE: EYE, SKIN  
CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS: NONE  
EFFECTS OF OVEREXPOSURE:  
IF IN EYES - CONTACT WITH EYES MAY BE IRRITATING.  
IF ON SKIN - PROLONGED CONTACT MAY CAUSE SLIGHT IRRITATION.

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**EMERGENCY AND FIRST AID PROCEDURES:**

IF IN EYES: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES.

IF ON SKIN: RINSE THOROUGHLY WITH WATER.

IF SWALLOWED: SEEK MEDICAL ATTENTION IMMEDIATELY.

**REACTIVITY - SECTION V**

STABILITY: STABLE

CONDITIONS TO AVOID: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: SULFUR DIOXIDE, HYDROGEN SULFIDE, NITROUS OXIDES, AMMONIACAL VAPORS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID STRONG OXIDIZING AGENTS, STRONG ACIDS. DO NOT USE WITH HYPOCHLORITES SINCE SKIN SENSITIZING SULTONES MAY FORM.

**SPILLS OR LEAK PROCEDURE - SECTION VI**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

FOR SMALL SPILLS THAT CAN BE HANDLED ROUTINELY, MOP UP AS MUCH AS POSSIBLE AND FLUSH AREA WITH WATER.

FOR LARGE SPILLS, SOAK UP WITH ABSORBENT. SHOVEL INTO WASTE CONTAINERS. FLUSH AREA WITH WATER. SPILLED MATERIAL IS SLIPPERY; USE CARE TO AVOID FALLING.

WASTE DISPOSAL METHODS:

FOR SMALL SPILLS - FLUSH TO MUNICIPAL SEWERS.

FOR LARGE SPILLS - LANDFILL ABSORBED MATERIAL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

**SPECIAL PROTECTION - SECTION VII**

VENTILATION TYPE: NORMAL ROOM VENTILATION ADEQUATE AS NORMALLY USED.

RESPIRATORY PROTECTION: NONE REQUIRED.

PROTECTIVE GLOVES: NONE REQUIRED.

EYE PROTECTION: NONE ORDINARILY REQUIRED. IF SPLASHING LIKELY WEAR GOGGLES.

OTHER PROTECTIVE EQUIPMENT: NONE REQUIRED UNDER NORMAL USE CONDITIONS.

**STORAGE AND HANDLING - SECTION VIII**

KEEP FROM FREEZING. STORE AT 40° - 110° F.

**SHIPPING - SECTION IX**

PROPER SHIPPING NAME: COMPOUNDS, CLEANING LIQUID, NOI

**MISCELLANEOUS - SECTION X**

ABBREVIATIONS:	N/A: NOT APPLICABLE	UNK: UNKNOWN
	N/D: NOT DETERMINED	< : LESS THAN
	N/E: NOT ESTABLISHED	> : GREATER THAN

PREPARED BY: JOHN ROTH