

MATERIAL SAFETY DATA SHEET
 MAINTEX INC. 13300 NELSON AVE. CITY OF INDUSTRY, CALIF. 91746
 818-961-1988

TRADE NAME: **LIQUID DISH SOAP**
 CHEMICAL OR COMMON NAME:
 High Foam Detergent Concentrate

HAZARDOUS COMPONENTS				
MATERIAL	CAS #	%	TLV(ppm)	OTHER
1. Sodium Dodecylbenzene Sulfonate Alkylaryl Sulfonate, Sodium Salt	25155-30-0	5-10	None	Irritant
2. Cocoamide DEA Coco DEA super amide	61791-31-9	1-4	None	Irritant

PHYSICAL DATA	
BOILING PT(Deg F): >212	FREEZE PT(Degrees F): <40
SPECIFIC GRAVITY: 1.02	SOLUBILITY IN WATER: 100%
APPEARANCE: Yellow solution	VOLATILES(% by WT.): 86
PERCENT ACTIVE : 14	VAPOR DENSITY(AIR=1): <1
VAPOR PRESSURE(at 68 Degrees F): >17mmHg	pH: 9.5
EVAPORATION RATE(BUTYL ACETATE=1): <1	ODOR: Lemon
	VOC: N/A

***These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT(Deg F--TCC)over 212 F AUTOIGNITION TEMP(Deg F):No Data
 FLAMMABLE LIMITS IN AIR, Volume %: Lower: No Data Upper: No Data
 EXTINGUISHING MEDIA: WATER SPRAY, FOAM, CO2, DRY CHEMICAL.
 SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with a full facepiece in positive pressure mode. Heated or sprayed product generates vapors which are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Use water fog/spray to cool and lower the pressure of fire exposed containers, to flush vapors away, and to flush/dilute spilled material. High pressure water directed at the spill will cause foaming.

NFPA HAZARD RATING

Health (blue): 1	Flammability(red): 1	Reactivity (yellow): 0
Least - 0	Slight - 1 Moderate - 2	High - 3 Extreme -4

HEALTH HAZARD DATA

***** HEALTH HAZARD DATA ---SYMPTOMS OF OVEREXPOSURE:ACUTE*****

***It is important to determine whether exposure is to concentrated or dilute product. The information included in this document is intended to deal with exposure to concentrated product. Generally, exposure to diluted product will result in substantially less risk of injury than described herein.
 PRINCIPLE ROUTES OF EXPOSURE: Eyes, skin, ingestion.
 CONTACT WITH EYES: Direct contact with concentrated product may cause moderate irritation, tearing, conjunctivitis, redness.
 CONTACT WITH SKIN: Repeated or prolonged contact may cause irritation or drying.
 SKIN ABSORPTION: No data

INHALATION: Not expected to be a problem, unless concentrated product is heated and inhaled.
 INGESTION: May irritate gastrointestinal tract, causing nausea and, or diarrhea.
 SYMPTOMS OF OVEREXPOSURE: CHRONIC:
 HEALTH EFFECTS OR RISKS FROM EXPOSURE: Overexposure may result in allergic skin reactions.
 CONTACT WITH EYES: Stinging, watering of eyes.
 CONTACT WITH SKIN: Irritation, inflammation.
 INHALATION: No data.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Gently irrigate with large amounts of cool water for 15 minutes ; gently lift upper and lower eye lids occasionally. Do not allow victim to rub eyes. Seek medical attention immediately. Do not attempt to neutralize with chemical agents.
 SKIN: Wash affected skin area with water. Do not allow contaminated clothing to remain in contact with the skin. Wash contaminated clothing before re-use. Do not attempt to neutralize with chemical agents.
 INHALATION: If discomfort is experienced, remove to fresh air. If breathing is difficult, give oxygen and call physician. If breathing stops, begin artificial respiration; immediately seek medical attention.
 INGESTION: Wash out mouth area and give moderate amounts of fluid (water or milk) to dilute. Don't give anything by mouth if patient is unconscious, very drowsy, or having convulsions. Do not give Bicarbonate of soda, fruit juices, or vinegar. If the patient is conscious, induce vomiting and give fluids again. If possible, do not leave victim unattended.
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin disorders. As with any chemical, this product may enhance allergic conditions on sensitive people.
 RECOMMENDATIONS TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

TOXICITY DATA	
SUSPECTED CANCER AGENT? NO	OSHA REGULATED: NO

REACTIVITY DATA	
STABILITY: THIS PRODUCT IS STABLE	
CONDITIONS TO AVOID: Heat, temperature extremes.	
MATERIALS TO AVOID: Strong oxidizers.	
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon, nitrogen and sulfur fumes.	
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR	

SPILL OR LEAK PROCEDURES	
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WARNING: The floor surface may be slippery: Use care walking, working, and standing in spill of concentrated product.
 LARGE SPILLS: (55 gallons or more) Wear rubber boots, gloves, and appropriate protective clothing. Shut off source of leak if safe to do so. Dike and contain spill. Transfer liquid to plastic drum or containers for recovery or disposal. Rinse area and mop up. Reclaim where possible; use "clean" product for immediate non-critical needs. Use ventilation as required to control vapor concentrations. A source of clean water should be available for emergency use.
 SMALL SPILLS: Mop up and rinse area. Place liquid into non-leaking containers for proper disposal.
 WASTE DISPOSAL METHOD: Landfill contaminated absorbent. Avoid landfilling liquids. Small amounts may be disposed of in the sewer if diluted with sufficient dilution water. Keep large spills out of sewers and open bodies of water. Dispose of wastes in accordance with federal, state and local regulations. In the event of an uncontrolled release, the user should determine if the release is reportable under applicable laws and regulations.

SPECIAL PROTECTION INFORMATION

VENTILATION AND ENGINEERING CONTROLS: In confined areas provide adequate local exhaust ventilation.

RESPIRATORY PROTECTION: For mists and sprayed material use NIOSH approved respirator.

PROTECTIVE GLOVES: Use of rubber gloves will decrease skin dryness and irritation. It is recommended that these gloves be washed inside and outside after each use.

EYE PROTECTION: Chemical splash goggles may be used. Keep product from splashing into eyes.

OTHER PROTECTIVE EQUIPMENT: Exposed employees should exercise reasonable personal cleanliness: this includes cleansing exposed skin several times daily, especially before mealtimes. Launder soiled work clothing daily.

WORK PRACTICES: All food should be kept in a separate area, away from the working location. Eating, drinking, and smoking should be prohibited in areas where there is a potential for exposure to the product. Hands should be washed after using product, and before beginning another activity..

OTHER HANDLING AND STORAGE REQUIREMENTS: Store in original polyethylene containers in a cool dry area away from other chemicals and food preparations. Empty containers may contain product residues. All hazard precautions given in data sheet must be observed. Dispose of empty containers in an environmentally safe manner and in accordance with governmental regulations.

SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS: CAUTION: KEEP OUT OF REACH OF CHILDREN

Do not get in eyes, on skin or on clothing. Do not take internally. If eyes are contacted, irrigate eyes for 15 minutes. Seek medical attention. If skin is contacted, wash with water. If discomfort is experienced after prolonged exposure to mists or vapors, remove to fresh air. Seek medical attention if discomfort persists. If ingested, induce vomiting. Seek medical attention immediately. Give large amounts of water or milk.

Do not mix with other chemicals or cleaning agents until carefully reading the label instructions and MSDS.

SPECIAL EMPTY CONTAINER PRECAUTIONARY WARNING: Misuse of empty containers can be hazardous. Cutting or welding of empty containers might cause release of product residues. Do not pressurize or expose to open flame or heat. Keep container closed and caps, spouts, or bungs in place.

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Specification Sheet

LEMON LIQUID DISH SOAP

DESCRIPTION:

A high sudsing, hand dishwashing compound for the removal of soil and grease.

APPEARANCE:

Yellow transparent liquid.

pH:

6.5 - 7.0 as determined by a glass electrode pH meter as a concentrate.

USE DILUTION:

1.25 ounces per gallon of water.

STABILITY:

Shall remain stable when stored under normal conditions in original unopened containers.
Do not allow to freeze.

SCOPE OF PERFORMANCE:

- * Safe to use
- * Gentle on the hands
- * Excellent sudsing action
- * Leaves no streaks
- * Pleasant lemon fragrance
- * Effective cleaner for grease and food residue