

# MATERIAL SAFETY DATA SHEET

SANITEK PRODUCTS, INC.  
3959 Goodwin Avenue  
Los Angeles, CA 90039

REVISION DATE: 28-Mar-00

EMERGENCY PHONE NUMBERS: SANITEK (323) 245-6781

CHEMTEL, INC. (800) 255-3924

LEGEND: NE = Not established N/A = Not available

## SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME: LIQUID DISH DETERGENT PRODUCT CODE: 500  
CHEMICAL NAME: MIXTURE  
NFPA HAZARD RATING: HEALTH: 2 FIRE: 0 REACTIVITY: 0 SPECIAL: NONE  
HAZARD SCALE: MINIMAL 0 SLIGHT 1 MODERATE 2 SERIOUS 3 SEVERE 4

## SECTION II HAZARDOUS COMPONENTS

COMPONENT	CAS NUMBER	PEL	TLV	HAZARD
Sodium Alpha Olefin Sulfonate	68439-57-6	NE Dermal LD50 (rabbit): 2.15 g/kg	NE Oral LD50 (rat): 2.5 g/kg	Irritant
Cocamidopropyl Betaine	61789-40-0	NE FHSA Skin Irritation Index: 2.2	NE Oral LD50 (FHSA): 5.0-10.0 g/kg	Irritant
Alkylphenol Ethoxylate	9016-45-9	NE Dermal LD50 (rabbit): >2.0 g/kg	NE Oral LD50 (rat): 3.31 g/kg	Irritant

## SECTION III PHYSICAL DATA

BOILING POINT (°F): NE % VOLATILES: 70.5  
VAPOR PRESSURE (mm Hg): 760 WATER SOLUBILITY: Complete  
SPECIFIC GRAVITY: 1.048 pH @ 25°C: 7  
WATER REACTIVITY: None EVAP. RATE (H<sub>2</sub>O=1): 1  
DESCRIPTION: Golden yellow clear liquid with lemon odor

## SECTION IV FIRE AND EXPLOSION HAZARDS

FLASH POINT (°F): None METHOD USED: N/A  
FLAMMABLE LIMITS IN AIR: NE AUTO IGNITION TEMP: NE  
EXTINGUISHING MEDIA: Water fog, dry chemical, foam, or CO<sub>2</sub>  
SPECIAL FIREFIGHTING PROCEDURES: None  
UNUSUAL FIRE OR EXPLOSION HAZARDS: None

## SECTION V HEALTH AND HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Eyes, skin, and inhalation  
OSHA, NTP, & IARC CARCINOGEN STATUS: Not listed  
PROPOSITION 65: This product may contain residual amounts (0.2 ppm) of ethylene oxide (cas 75-21-8) known to the state of California to cause cancer or reproductive toxicity.

### EFFECTS OF OVEREXPOSURE:

**INHALATION:** Vapors or mists generated from spraying operations may cause irritation to nose and throat.  
**EYE CONTACT:** Severe irritation, reddening, tearing, blurring of vision, and possible chemical burns. If not removed immediately may result in possible eye injury with potential corneal damage.  
**SKIN CONTACT:** May produce mild to moderate skin irritation. Prolonged contact with the skin may result in irritation, reddening and possible chemical burns. Prolonged and repeated contact will cause deoiling of the skin resulting in skin inflammation, rashes, or dermatitis.  
**SWALLOWED:** May cause irritation, reddening, and possible chemical burns to the mouth, throat, and mucous membrane. Material may cause nausea,

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upset stomach, vomiting, and diarrhea.

## FIRST AID PROCEDURES:

- INHALATION:** Remove person to fresh air. If breathing is difficult, get medical attention.
- EYE CONTACT:** **Immediately** flush eyes with lot of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get **Immediate** medical attention for additional treatment. Do not let victim rub eyes.
- SKIN CONTACT:** Flush with water. Remove contaminated clothing and footwear; launder before reuse. If irritation persists, get medical attention.
- SWALLOWED:** **Call a physican or poison control center. Do Not** Induce Vomiting. If conscious, give water or milk to dilute. Never give anything by mouth to an unconscious person.

**ACUTE HEALTH EFFECTS:** Eye and Skin irritant.

**CHRONIC HEALTH EFFECTS:** Repeated skin contact may cause a persistent irritation or dermatitis.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing disorders of skin or eyes.

**SARA HAZARD CATEGORY:** Acute and chronic health hazard

**NOTE TO PHYSICIAN:** There is no specific antidote. Treatment of overexposure should be directed the control of symptoms and the clinical condition of the patient. Due to the irritant and surfactant action of the material, if it is aspirated during swallowing or vomiting, there may be lung injury. Emesis should not be induced by mechanical or pharmacological means. If evacuation is considered necessary, this should be done by means least likely to result in aspiration (e.g. the use of gastric lavage in the presence of endotracheal intubation.)

## SECTION VI

### REACTIVITY DATA

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** None

**CONDITIONS TO AVOID:** None known

**INCOMPATABILITY:** Strong oxidizing agents and acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and nitrogen; hydrogen chloride; irritating aldehydes and ketones.

## SECTION VII

### SPILL, LEAK, AND WASTE PROCEDURES

**SPILL RESPONSE:** Remove all ignition sources; ventilate area; soak up on absorbent material and place in closed container. Keep material out of drains, sewers, or open waterways. Material is slippery and will foam profusely upon addition of water.

**WASTE DISPOSAL METHODS:** Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State, and Local regulatory agencies to ascertain proper disposal procedures. Not a hazardous waste.

**DISPOSAL OF EMPTY CONTAINERS:** After triple-rinsing containers, either recondition or dispose of in manner consistent with applicable regulations.

## SECTION VIII

### SPECIAL PROTECTION DATA

**VENTILATION:** Not required under normal use conditions.

**RESPIRATORY:** Not required under normal use conditions.

**EYES:** Glasses should be worn if spraying product.

**GLOVES:** Water resistant gloves if hand immersion is required.

**OTHER:** None

## SECTION IX

### SPECIAL PRECAUTIONS

**HANDLING AND STORAGE:** Do not transfer material to unlabelled intermediate containers. Store away from heat and flames. Keep container closed. Avoid contact with skin and eyes. Do not rub eyes with contaminated hands. Wash hands after using.

## SECTION X

### SHIPPING AND LABELLING DATA

**DOT HAZARD CLASSIFICATION:** None

**PROPER DOT SHIPPING NAME:** Compound, cleaning, liquid