



MATERIAL SAFETY DATA SHEET

LABORATORIES

320 37th Avenue • St. Charles, Illinois 60174 • To Reorder, Call 800-323-2594

PRODUCT IDENTIFICATION  
UNITED 255  
DISINFECT PLUS

USE / DESCRIPTION  
Disinfectant Cleaner

REVISION DATE  
October 26, 2005

FOR MEDICAL AND  
TRANSPORTATION EMERGENCIES:  
INFOTRAC: 800-535-5053

**HEALTH (0 = Maximum Safety)** **2**  
Always follow Label Directions and Cautions.

4 Extreme. 3 High. 2 Moderate. 1 Slight. 0 Minimal.

See Health Hazard Data Section of this M.S.D.S. for more detailed information.

**FLAMMABILITY (0 = Maximum Safety)** **1**  
Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated to burn.  
3 Ignites at normal temperature. 0 Will not burn.  
2 Ignites when moderately heated.

**REACTIVITY (0 = Maximum Safety)** **0**  
Susceptible to Release of Energy.

4 May detonate-vacate area if Materials are exposed to fire.  
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.  
2 Violent chemical change possible-use hose stream from distance  
1 Unstable if heated-use precaution.  
0 Normally stable.

**PERSONAL PROTECTION**



**HAZARDOUS COMPONENTS  
IDENTITY, EXPOSURE LIMITS AND S.A.R.A. TITLE III INFORMATION**

HAZARDOUS COMPONENTS	CAS NUMBER	ACGIH TWA	ACGIH STEL	OSHA PEL	OTHER RECOMMENDED LIMITS	S.A.R.A. TITLE III QUANTITIES
Didecyl dimethyl ammonium chloride	7173-51-5	Not established	Not established	Not established	None	None
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	Not established	Not established	Not established	None	None
Ethanol	64-17-5	1000 ppm 1880 mg/m <sup>3</sup>	Not established	1000 ppm 1900 mg/m <sup>3</sup>	NIOSH TWA 1000 ppm	None

**PHYSICAL / CHEMICAL CHARACTERISTICS**

<b>BOILING POINT</b> Not determined	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b> 1.000
<b>VAPOR PRESSURE (mm Hg.)</b> Not determined	<b>MELTING POINT</b> Not determined
<b>VAPOR DENSITY (Air = 1)</b> Not determined	<b>EVAPORATION RATE</b> (Water = 1) Not determined
<b>SOLUBILITY IN WATER</b> 100%	<b>VOLATILE ORGANIC COMPOUNDS (V.O.C.)</b> (Pounds Per Gallon Of Product) 0.083
<b>APPEARANCE AND ODOR</b> Opaque liquid with mild scent.	<b>pH:</b> 7.2-8.2

**FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT (Method Used)</b> Greater than 200°F	<b>FLAMMABLE LIMITS</b>	<b>LEL</b> None	<b>UEL</b> None
<b>EXTINGUISHING MEDIA</b> Foam, CO <sub>2</sub> , dry chemical, water			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Fire fighters should wear full protective equipment and NIOSH-approved self contained breathing apparatus.			
Cool fire-exposed containers with water spray.			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> Products of combustion are toxic.			

## REACTIVITY DATA

STABILITY:                      STABLE   
   UNSTABLE                       CONDITIONS TO AVOID  
      None known

### INCOMPATIBILITY (Materials To Avoid)

Acids and strong oxidizing agents. Do not mix with other chemicals or cleaners.

### HAZARDOUS DECOMPOSITION OR BY PRODUCTS

If ignited as in a fire, may produce carbon monoxide, oxides of nitrogen and hydrogen chloride fumes.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR                       CONDITIONS TO AVOID  
   MAY OCCUR     None known

## HEALTH HAZARD DATA

### HEALTH HAZARDS

EYES: Severe eye irritant and/or burns SKIN: Prolonged contact may cause irritation

INHALATION: Vapors may be irritating to mucous membrane of the nose, throat and lungs

IF SWALLOWED: Can produce immediate burning pain in the mouth, throat and abdomen.

CARCINOGENICITY:                      NTP? No                      IARC MONOGRAPHS? No                      OSHA REGULATED? No

This product contains a chemical known to the state of California to cause cancer or reproductive toxicity? No

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation SKIN: Irritation INHALATION: Coughing IF SWALLOWED: Vomiting, diarrhea

### TARGET ORGANS

Eyes

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE

Pre-existing skin disorders may be aggravated.

### EMERGENCY AND FIRST AID PROCEDURES

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.

IF SWALLOWED: DO NOT induce vomiting. If conscious, give 3-4 glasses of milk. Call a physician or poison center immediately.

## PRECAUTIONS FOR SAFE HANDLING AND USE

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

Contain spill. Do not contaminate water, food or feed. Flush small quantities (less than one gallon) with water to the nearest sewer.

Caution: Wear appropriate protective gear and respiratory protection where mist or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).

### WASTE DISPOSAL METHOD

Contact local, state and federal authorities for proper disposal guidelines. Incineration is the preferred method.

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep out of reach of children. Protect from hard freezing, as the drums may rupture or burst. Keep containers tightly closed when not in use.

## CONTROL MEASURES

### FOR USE WHERE SIGNIFICANT EYE, SKIN OR INHALATION EXPOSURE IS LIKELY

#### RESPIRATORY PROTECTION (Specify Type)

If TLV is exceeded, use NIOSH/MSHA approved respirator.

VENTILATION:    MECHANICAL (General)                      LOCAL EXHAUST  
   Not normally required    Generally adequate

#### PROTECTIVE GLOVES

Rubber or neoprene, when needed, to prevent skin contact

EYE PROTECTION Wear chemical splash goggles where there is potential for eye contact. Use safety glasses with side shields where there is no eye contact.

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye wash; Safety shower; Protective clothing (long sleeves, coveralls or other, as appropriate), when needed, to prevent skin contact.

#### WORK HYGIENIC PRACTICES

Wash hands and face with soap and water after using this product.