



## MATERIAL SAFETY DATA SHEET

LABORATORIES

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

<b>PRODUCT IDENTIFICATION</b> UNITED 450 ALL CLEAR	<b>USE / DESCRIPTION</b> Metal and Plastic Degreaser/Cleaner	<b>REVISION DATE</b> March 22, 2005	<b>FOR MEDICAL AND TRANSPORTATION EMERGENCIES:</b> INFOTRAC: 800-535-5053
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**HEALTH (0 = Maximum Safety)** 0  
 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.**

**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.

**FLAMMABILITY (0 = Maximum Safety)** 0  
 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.

**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
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In accordance with Federal Regulation 29 CFR 1910.1200, all materials in this product are considered non-hazardous at the levels at which they appear.

This product does not contain materials reportable under SARA Title III Section 313.

This product does not contain materials reportable under California's Proposition 65.

This product is not controlled under Canada's WHMIS.

### PHYSICAL / CHEMICAL CHARACTERISTICS

<b>BOILING POINT</b> 212°F	<b>SPECIFIC GRAVITY (H:0 = 1)</b> 1.0
<b>VAPOR PRESSURE (mm Hg.)</b> (At 77° F.) Approximately 17.5 mm Hg	<b>MELTING POINT</b> Not determined
<b>VAPOR DENSITY (Air = 1)</b> Not determined	<b>EVAPORATION RATE</b> (Water = 1) Approximately 1.0
<b>SOLUBILITY IN WATER</b> 100% soluble	<b>VOLATILE ORGANIC COMPOUNDS (V.O.C.)</b> (Pounds Per Gallon Of Product) None
<b>APPEARANCE AND ODOR</b> Golden yellow liquid with light, fresh, clean scent.	<b>pH:</b> 9.5

### FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (Method Used)</b> Greater than 200° F (Tag Closed Cup)	<b>FLAMMABLE LIMITS</b>	<b>LEL</b> None	<b>UEL</b> None
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**EXTINGUISHING MEDIA**  
 Dry chemical, dry foam, carbon dioxide, or water may be used.

**SPECIAL FIRE FIGHTING PROCEDURES**  
 Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus. Use water spray or mist to cool fire-exposed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
 None known

## REACTIVITY DATA

STABILITY:

STABLE   
UNSTABLE

CONDITIONS TO AVOID  
None known.

INCOMPATIBILITY (Materials To Avoid)

Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

When ignited, as in a fire, this product produces carbon dioxide and carbon monoxide and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR   
MAY OCCUR

CONDITIONS TO AVOID  
None known

## HEALTH HAZARD DATA

HEALTH HAZARDS

EYES: May cause irritation SKIN: Prolonged or repeated contact may cause irritation. INHALATION: Mists of this product may irritate nasal passages.

IF SWALLOWED: Swallowing large amounts (more than a few ounces) may cause nausea, upset stomach and vomiting.

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, rash INHALATION: Coughing, irritation of nasal passages IF SWALLOWED: Nausea, upset stomach, vomiting

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE

Pre-existing skin disorders and acute or chronic asthma.

TARGET ORGANS:

Skin

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with cool water for at least 15 minutes and call a physician or poison center. SKIN: Wash with soap and water. If irritation persists, call a physician or

poison center. INHALATION: Remove patient to fresh air. If irritation persists call a physician or poison center. IF SWALLOWED: Induce vomiting only

under the direction of a physician. Never give anything by mouth to an unconscious person. Call a physician or poison center immediately.

## PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

If this material is released or spilled, flush it with water to the nearest sewer to drain. This product, when spilled on the floor, may also cause slippery conditions. Remove

with a wet vac or scrub area with scrubber or floor machine if available.

WASTE DISPOSAL METHOD

Consult your local, state and federal officials for proper disposal guidelines. Small amounts (several gallons) may usually be poured down sanitary sewers.

This is a non-toxic, biodegradable material.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep this product in a properly labeled, tightly closed container. Do not allow this product to freeze.

## CONTROL MEASURES

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

RESPIRATORY PROTECTION (Specify Type)

Not normally required

VENTILATION: MECHANICAL (General)

Not normally needed.

LOCAL EXHAUST

Normal ventilation is usually adequate.

PROTECTIVE GLOVES

Recommended only for long-term exposure to the concentrated product.

EYE PROTECTION

Safety glasses are suggested when handling the concentrated product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Shirts with long sleeves are recommended.

WORK HYGENIC PRACTICES

Remove contaminated clothing; wash thoroughly with soap and water before reusing. Wash hands and face with soap and water after using this product.