

MATERIAL SAFETY DATA SHEET

ATTENTION: SAFETY DIRECTOR

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FROM: INDUSTRIAL CHEMICAL LAB., INC.  
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DATE ISSUED: 8/22/89 REVISED DATE: 7/26/89

HEALTH:	2	0 MINIMAL HAZARD
FLAMMABILITY:	1	1 SLIGHT HAZARD
REACTIVITY:	0	2 MODERATE HAZARD
PERSONAL PROTECTION:	2	3 SERIOUS HAZARD
		4 SEVERE HAZARD

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INGREDIENTS

INGREDIENT:  
SODIUM METASILICATE  
CAS REG. NO.: 6834-92-0 PERCENTAGE: 1-5  
TLV: 5 MG/M3

INGREDIENT:  
ISOPROPRANOL  
CAS REG. NO.: 67-63-C PERCENTAGE: 1-5  
TLV: 400 PPM (TWA)

INGREDIENT:  
NONYLPHENOXYPOLYETHOXYETHANOL  
CAS REG. NO.: 26027-33-3 PERCENTAGE: 1-5  
TLV: NOT EST.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

INGREDIENT:  
SODIUM HYDROXIDE  
CAS REG. NO.: 1310-73-2 PERCENTAGE: 0.1-1.0  
TLV: 2 MG/M3 (CEILING LIMIT)

INGREDIENT:  
BUTYL CELLOSOLVE  
CAS REG. NO.: 111-76-2 PERCENTAGE: 5-15  
TLV: 25 PPM (SKIN)(TWA)

PHYSICAL DATA

BOILING POINT: 212 SPECIFIC GRAVITY: 1.025 VAPOR PRESSURE: NA  
PERCENT VOLATILE BY VOLUME: 92 VAPOR DENSITY: >1  
EVAPORATION RATE: ETHYL ETHER =1 >1

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SOLUBILITY IN WATER: COMPLETE  
APPEARANCE AND ODOR:  
BLUE COLORED LIQUID WITH MILD BUTYL ODOR.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 194 DEGREES F. (COC)  
FLAMMABLE LIMITS: NA  
LEL: 1.1 UEL: 10.6  
EXTINGUISHING MEDIA:  
CO2, DRY CHEMICAL, ALCOHOL FCAM  
SPECIAL FIRE FIGHTING PROCEDURES:  
NONE  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
NONE

REACTIVITY DATA

STABILITY: STABLE  
CONDITIONS TO AVOID:  
NONE  
INCOMPATIBILITY (MATERIALS TO AVOID):  
NONE  
HAZARDOUS DECOMPOSITION PRODUCTS:  
NONE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID:  
NONE

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:  
2 MG/M3 (CEILING LIMIT)  
ROUTE(S) OF ENTRY: INHALATION: + SKIN: + INGESTION: +  
EFFECTS OF OVEREXPOSURE:  
CONTACT WITH SKIN MAY CAUSE IRRITATION. PROLONGED CONTACT MAY PRODUCE MORE SEVERE IRRITATION OR SYSTEMIC ILLNESS. EYE CONTACT MAY CAUSE CORNEAL INJURY. INHALATION OF MIST OR VAPOR MAY CAUSE RESPIRATORY IRRITATION. INGESTION MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.  
CARCINOGENICITY: NTP: - IARC MONOGRAPHS: - OSHA REGULATED: -  
EMERGENCY FIRST AID PROCEDURES:  
FOR SKIN CONTACT, WASH THOROUGHLY WITH SOAP AND WATER. FOR EYE CONTACT, FLUSH WITH CLEAR WATER FOR 15 MINUTES. IF INHALED AND RESPIRATORY EFFECTS OCCUR, REMOVE TO FRESH AIR. IF INGESTED, OR IF ANY IRRITATION PERSISTS, CONSULT A PHYSICIAN.

PRECAUTIONS FOR SAFE HANDLING AND USE

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

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FLUSH WITH WATER OR ABSORB WITH ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD:

FLUSH TO SEWER. LANDFILL CONTAMINATED ABSORBENT MATERIAL IN ACCORDANCE WITH APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS.

RCRA: CORROSIVE (PH EXCEEDS 12.5)

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP OUT OF REACH OF CHILDREN. WEAR RUBBER GLOVES AND PROTECTIVE EYEWEAR WHEN HANDLING CONCENTRATE. AVOID PROLONGED BREATHING OR VAPOR FROM CONCENTRATE. AVOID EYE AND PROLONGED SKIN CONTACT.

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SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION (SPECIFY TYPE):

GENERAL PURPOSE CANISTER MASK (IF DESIRED)

VENTILATION:

MECHANICAL EXHAUST IS ADEQUATE.

PROTECTIVE GLOVES:

RUBBER OR PLASTIC.

EYE PROTECTION:

FACE SHIELD OR SPLASHPROOF CHEMICAL SAFETY GOGGLES.

OTHER PROTECTIVE EQUIPMENT:

NOT REQUIRED.