



CHEMAX
CORPORATION

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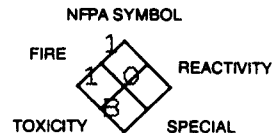
MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD (HSC) 29 CFR 1910, 1200. STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE 1-800-346-0132

HMIS SYMBOL	
HEALTH	I
FLAMMABILITY	I
REACTIVITY	0

HMIS	NFPA
SEVERE 4	EXTREME
SERIOUS 3	HIGH
MODERATE 2	MODERATE
SLIGHT 1	SLIGHT
MINIMAL 0	INSIGNIFICANT



PRODUCT IDENTIFICATION:

A148

LJ-30

DATE: 01/02/03

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SECTION I: HAZARDOUS INGREDIENTS

CAS NUMBER	CHEMICAL NAME	%	TLV (PPM)
1336-21-6	AMMONIUM HYDROXIDE	1	25
75-28-5	ISOBUTANE	5	800
111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	3	25
7732-18-5	INERT & DIONIZED WATER	91	N/A

7.85% VOC 75.1 grams/liter VOC

NOTE - THIS PRODUCT CONTAINS THESE SARA TITLE III, SECTION 313 CHEMICALS:
AMMONIUM HYDROXIDE

SECTION II: PHYSICAL DATA

BOILING POINT: N/A
 VAPOR PRESSURE: MAX = 60
 VAPOR DENSITY: N/E
 SOLUBILITY IN WATER: SOLUBLE
 SPECIFIC GRAVITY: 1.0
 PERCENT VOLATILE BY VOLUME: N/A
 EVAPORATION RATE: N/E
 P H: N/A
 APPEARANCE AND ODOR: WHITE FOAM & MINT FRAGRANCE

SECTION III: FIRE AND EXPLOSION DATA

FLASH POINT: N/A
 FLAMMABLE LIMITS: N/E
 EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER
 SPECIAL FIREFIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS

UNUSUAL FIRE AND EXPLOSION HAZARDS:

DO NOT EXPOSE TO TEMPERATURES ABOVE 130 F OR CONTAINER MAY RUPTURE

SECTION IV: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: N/A

EFFECTS OF OVEREXPOSURE: NAUSEA; DIZZINESS; ANESTHETIC EFFECTS; ASPHYXIA; POSSIBLE UNCONSCIOUSNESS; IRRITATION TO EYES/SKIN; CHEMICAL PNEUMONITIS IF ASPIRATED INTO THE LUNGS; HEADACHES

EMERGENCY FIRST AID PROCEDURES:

- SKIN:** WASH WITH SOAP AND WATER. IF IRRITATED, SEE PHYSICIAN.
- EYES:** FLUSH WITH WATER 15 MINUTES. IF IRRITATED, SEE PHYSICIAN.
- INGESTION:** GIVE MILK OR PLENTY OF WATER. INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.
- INHALATION:** REMOVE TO FRESH AIR. RESUSCITATE IF NECESSARY. SEEK MEDICAL ATTENTION IMMEDIATELY.

SECTION V: REACTIVITY DATA

- STABILITY DATA:** STABLE. AVOID OPEN FLAME, WELDING ARCS, HEAT, SPARKS.
- INCOMPATIBILITY:** COPPER, ALKALI METALS
- HAZARDOUS DECOMPOSITION PRODUCTS:** CARBON MONOXIDE, CARBON DIOXIDE
- HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

SECTION VI: SPILL OR LEAK PROCEDURES

- SMALL SPILLS:** DILUTE WITH WATER. ABSORB WITH A SUITABLE MEDIUM OR NEUTRALIZE WITH DILUTE ACID. FLUSH TO SEWER WITH WATER.
 - LARGE SPILLS:** AEROSOL CANS, WHEN EMPTIED AND DEPRESSURIZED THROUGH NORMAL USE, POSE NO DISPOSAL HAZARD AND SHOULD BE RECYCLED.
- AVOID BREATHING OF VAPORS AND ABSORPTION THROUGH SKIN.**
- FOLLOW STATE AND LOCAL REGULATIONS FOR DISPOSAL OF LARGE NON-RECLAIMABLE SPILLS.**

SECTION VII: SPECIAL PROTECTION INFORMATION

- RESPIRATORY PROTECTION:** IF VAPOR CONCENTRATION EXCEEDS TLV, USE RESPIRATOR APPROVED BY U.S. BUREAU OF MINES FOR ORGANIC VAPOR.
- VENTILATION:** ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATION BELOW TLV(s)
- PROTECTIVE GLOVES:** LATEX GLOVES RECOMMENDED
- EYE PROTECTION:** SAFETY GLASSES RECOMMENDED
- OTHER PROTECTIVE EQUIPMENT:** NONE

SECTION VIII: SPECIAL PRECAUTIONS

- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** DO NOT PUNCTURE OR INCINERATE CONTAINERS. DO NOT STORE AT TEMPERATURES ABOVE 130 F. KEEP OUT OF REACH OF ALL CHILDREN. AVOID FOOD CONTAMINATION. AVOID BREATHING OF ALL VAPORS.
- OTHER PRECAUTIONS:** READ & FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL. THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE MANNER, AND THEY ALSO GIVE YOU THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.