



CHEMAX
CORPORATION

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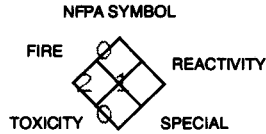
MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE 1-800-346-0132

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

HMIS SYMBOL	
HEALTH	2
FLAMMABILITY	0
REACTIVITY	1

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



PRODUCT IDENTIFICATION: B393 REMUV-OX IS
DATE: 01/02/03

SECTION I: HAZARDOUS INGREDIENTS

CAS NUMBER	CHEMICAL NAME	%	TLV (PPM)
7647-01-0	HYDROCHLORIC ACID - 20 DEGREE BAUME	25	5
7732-18-5	WATER	63.9	N/A
N/E	PROPRIETARY AMINE INHIBITOR	1	N/A
9016-45-9	POLY (OXY-1,2-ETHANEDIYL), ALPHA-(NONYL-PHENYL)-OMEGA-HYDROXY-	5	N/A
526-95-4	2,3,4,5,6-PENTAHYDROXY-1-HEXANOIC ACID	5	N/A
N/E	PURPLE DYE	.1	N/A
TOTAL		100%	

NOTE - THIS PRODUCT CONTAINS THESE SARA TITLE III, SECTION 313 CHEMICALS:
HYDROCHLORIC ACID

SECTION II: PHYSICAL DATA

BOILING POINT: 208 F
VAPOR PRESSURE: (@ 25 C): 23 mm Hg
VAPOR DENSITY: (AIR=1): UNKNOWN
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY: 1.05
PERCENT VOLATILE BY VOLUME: 98.5%
EVAPORATION RATE: N/A
P H: N/A
APPEARANCE AND ODOR: CLEAR, PURPLE LIQUID & HCl ODOR

SECTION III: FIRE AND EXPLOSION DATA

FLASH POINT: NONE TO BOILING (C.C.)
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CARBON DIOXIDE
SPECIAL FIREFIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS:

CONTACT WITH METALS MAY CAUSE FORMATION OF HYDROGEN, WHICH IS FLAMMABLE

SECTION IV: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: N/A

EFFECTS OF OVEREXPOSURE:

CONJUNCTIVITIS, IRRITATION OF DIGESTIVE TRACT & POSSIBLE PERFORATION OF IT, RHINITIS, HEADACHE, PALPITATIONS, SKIN IRRITANT, VOMITING, AND NEPHRITIS.

EMERGENCY FIRST AID PROCEDURES:

SKIN: FLUSH WITH WATER

EYES: FLUSH WITH WATER. IF IRRITATION PERSISTS, CALL PHYSICIAN.

INGESTION: GASTRIC LAVAGE WITH 5% SODIUM CARBONATE SOLUTION FOLLOWED BY A DROP OF ALUMINUM HYDROXIDE GEL. CALL PHYSICIAN IMMEDIATELY.

INHALATION: GIVE OXYGEN IF NECESSARY

SECTION V: REACTIVITY DATA

STABILITY DATA: STABLE. AVOID MIX W/ETHYLENE, CAUSTIC MATS, METAL, CHLORINE.

INCOMPATIBILITY: GENERAL LRG AMTS OF HEAT IN CONTACT W/METALS & STRONG BASES

HAZARDOUS DECOMPOSITIONN PRODUCTS: HYDROGEN GAS FORMED UPON METAL

HAZARDOUS POLYMERIZATION: N/A CORROSIVES - VERY FLAMMABLE

SECTION VI: SPILL OR LEAK PROCEDURES

SMALL SPILLS: WIPE UP PRODUCT. RINSE SOILED AREA WITH WATER DOWN THE DRAIN.

LARGE SPILLS: STOP LEAK AT THE SOURCE AND COLLECT INTO A SUITABLE CONTAINER. TREAT AS A SMALL SPILL.

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: DEPENDS ON VAPOR CONCENTRATION ABOVE TLV. USE A NIOSH APPROVED CARTRIDGE RESPIRATOR OR GAS MASK.

VENTILATION: LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S)

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: COVER GOGGLES OR FULL FACE SHIELD

OTHER PROTECTIVE EQUIPMENT:RUBBER SUIT & SHOES

SECTION VIII: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID TEMPERATURE EXTREMES. STORE IN A COOL, WELL-VENTILATED PLACE SEPARATED FROM OXIDIZING SUBSTANCES.

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.