

CHEMAX
CORPORATION

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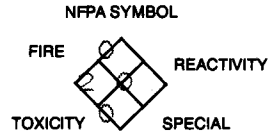
MATERIAL SAFETY DATA SHEET

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	0

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



PRODUCT IDENTIFICATION: B388 PREPARE
DATE: 01/02/03 IS

SECTION I: HAZARDOUS INGREDIENTS

CAS NUMBER	CHEMICAL NAME	%	TLV (PPM)
7664-38-2	PHOSPHORIC ACID - 75%	< 56	1 mg/M3
7732-18-5	WATER	> 38	N/A
N/D	1-HYDROXYETHYL-3-CARBOXYETHYL-2-HEPTYL IMIDAZOLINE-SODIUM SALT 50%	< 4	N/A
N/D	60% ETHOXYLATED (15 MOLE) C-18 AMINE 20% PROPYN-1-01 NEUTRALIZED WITH HYDROXYETHYL ALKYL AMINE: 20% ISOPROPANOL	< 1.9	N/A

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

SECTION II: PHYSICAL DATA

BOILING POINT: 218 F
VAPOR PRESSURE: N/D
VAPOR DENSITY: N/D
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY: (H2O=1): 1.28
PERCENT VOLATILE BY VOLUME: 42%
EVAPORATION RATE: (WATER=1): < 1
P H: 1.0 - 2.0
APPEARANCE AND ODOR: BLAND ODOR

SECTION III: FIRE AND EXPLOSION DATA

FLASH POINT: NO FLASH AT BOIL (C.C.)
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CARBON DIOXIDE
SPECIAL FIREFIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: CONCENTRATED MATERIAL IN CONTACT WITH METALS CAN FORM HYDROGEN GAS, WHICH IS FLAMMABLE.

SECTION IV: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: N/A

EFFECTS OF OVEREXPOSURE: CORROSIVE TO EYES & SKIN CAUSING CHEMICAL BURNS, RESPIRATORY IRRITATION, AND POSSIBLE INJURY FROM BREATHING THE MIST.

EMERGENCY FIRST AID PROCEDURES:

SKIN: FLUSH WITH WATER

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

INGESTION: DRINK LARGE VOLUMES OF MILK OR OTHER LIQUID.

CALL PHYSICIAN IMMEDIATELY.

INHALATION: REMOVE TO FRESH AIR. IF IRRITATION PERSISTS OR OTHER RESPIRATORY SYMPTOMS APPEAR, GET MEDICAL ATTENTION.

SECTION V: REACTIVITY DATA

STABILITY DATA: STABLE

INCOMPATIBILITY: CAN REACT WITH METALS TO LIBERATE FLAMMABLE HYDROGEN

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF PHOSPHORUS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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:

NIOSH/MESA APPROVED RESPIRATOR FOR CONFINED AREAS OR MISTING CONDITIONS

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

PROTECTIVE GLOVES: NEOPRENE

EYE PROTECTION: CHEMICAL GOGGLES

OTHER PROTECTIVE EQUIPMENT: FACE SHIELD & IMPERVIOUS APRON

SECTION VIII: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: ALWAYS STORE UNUSED PORTION IN THE ORIGINAL CONTAINER WITH CAP SECURE. AVOID TEMPERATURE EXTREMES.

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.