SECTION I: PRODUCT DESCRIPTION: NO. 1838 DE-LIMER

MANUFACTURER:
HILL MFG CO., INC.
1500 JONESBORO ROAD
ATLANTA, GA 30315
EMERGENCY (800) 535-5053
M-F:9-5 (404) 522-8364
PREPARED BY: RICK GLISSON
DATE PREPARED: 06/06/00

SECTION II:

HAZARDOUS INGREDIENTS: CAS #: %: TLV SARA III,#313

PHOSPHORIC ACID 7664-38-2 20-22 1MG/M3 *

HMIS RATINGS: HEALTH 2, FIRE 0, REACTIVITY 1, PERSONAL PROTECTION: C

SECTION III: PHYSICAL DATA

BOILING POINT (DEG. F.): 212
VAPOR PRESSURE (MM HG.): SAME AS WATER.
VAPOR DENSITY (AIR=1): HEAVIER THAN AIR.
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY (WATER=1): 1.1
PERCENT, VOLATILE BY VOLUME (%): GREATER THAN 70.
EVAPORATION RATE (ETHER=1): SLOWER THAN ETHER.
APPEARANCE AND ODOR: CLEAR, COLORLESS LIQUID WITH DETERGENT ODOR.
PH: LESS THAN 2.

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SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): NONE
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CARBON DIOXIDE & WATER
SPECIAL FIRE FIGHTING PROCEDURES: WEAR A SELF-CONTAINED BREATHING APPARATUS
WITH FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.
UNUSUAL FIRE AND EXPLOSION HAZARDS: ACID MAY ATTACK SOFT METALS SUCH AS ALUMINUM AND MAGNESIUM RELEASING HYDROGEN.
DOT HAZARD CLASSIFICATION: PHOSPHORIC ACID, 8, UN1805, PG III (CORROSIVE)

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SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 1 MG/M3
EFFECTS OF OVEREXPOSURE:DANGER: CORROSIVE-CAN CAUSE BURNS. DO NOT GET IN EYES, ON SKIN OR IN CLOTHING. AVOID BREATHING MISTS. INGESTION: INTERNAL IRRITATION AND DAMAGE CAN RESULT IF INGESTED. SKIN: IRRITATING TO SKIN. EYES: CONTACT OF THE LIQUID WITH THE EYES MAY RESULT IN IRRITATION OR BURNS DEPENDING UPON THE EXTENT OF EXPOSURE.
EMERGENCY & FIRST AID PROCEDURES: INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY GIVE LARGE QUANTITIES OF WATER. IF VOMITING DOES OCCUR, GIVE FLUIDS AGAIN. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSON. CALL A PHYSICIAN OR THE NEAREST POISON
CONTROL CENTER
IMMEDIATELY. SKIN: IMMEDIATELY FLUSH ALL AFFECTED AREAS WITH
LARGE AMOUNTS
OF WATER FOR AT LEAST 15 MINUTES. REMOVE ALL CONTAMINATED
CLOTHING.
IMPORTANT: BE SURE TO DISCARD CONTAMINATED CLOTHING AND
SHOES. EYES:
IMMEDIATELY FLUSH THE EYES WITH LARGE QUANTITIES OF RUNNING
WATER FOR A
MINIMUM OF 15 MINUTES. HOLD THE EYELIDS APART DURING THE
FLUSHING TO
ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYE AND LIDS WITH
WATER. DO
NOT ATTEMPT TO NEUTRALIZE WITH CHEMICAL AGENTS. OBTAIN
MEDICAL ATTENTION
AS SOON AS POSSIBLE. OILS OR OINTMENTS SHOULD NOT BE USED.
CONTINUE THE
FLUSHING FOR AN ADDITIONAL 15 MINUTES IF THE PHYSICIAN IS NOT
IMMEDIATELY
AVAILABLE. INHALATION: REMOVE FROM CONTAMINATED ATMOSPHERE.
IF BREATHING
HAS CEASED, CLEAR THE VICTIM’S AIRWAY AND START MOUTH-TO-
MOUTH ARTIFICIAL
RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY.
CARCINOGENICITY: NONE KNOWN.
PRIMARY ROUTES OF EXPOSURE: SKIN
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SECTION VI: REACTIVITY DATA
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STABILITY: STABLE CONDITIONS TO AVOID: N/A
INCOMPATABILITY: SOFT METALS SUCH AS ALUMINUM, MAGNESIUM,
STRONG ALKALI.
HAZARDOUS DECOMPOSITION PRODUCTS: NONE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR. CONDITIONS TO
AVOID: N/A
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SECTION VII: SPILL OR LEAK PROCEDURES
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SMALL
SPILL:
FLUSH WITH WATER. WEAR SUITABLE PROTECTIVE CLOTHING AND EYE PROTECTION TO PREVENT SKIN AND EYE CONTACT. LARGE SPILL: NEUTRALIZE THE SPILL AREA WITH SODA ASH AND THEN FLUSH THE AREA WITH COPIOUS AMOUNTS OF WATER. EXERCISE CAUTION DURING NEUTRALIZATION AS HEAT MAY BE GENERATED.
WASTE DISPOSAL METHOD: SMALL SPILL: FLUSH WITH COPIOUS AMOUNTS OF WATER. LARGE SPILL: IF MATERIAL IS NOT TO BE NEUTRALIZED, THEN DIKE PRODUCT WITH ABSORBENT AND DISPOSE AT APPROVED LANDFILL. CONTAINER DISPOSAL: THROUGHLY RINSE AND OFFER EMPTY CONTAINER FOR RECYCLING, RECONDITIONING OR DISPOSAL IN AN APPROVED LANDFILL OR DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): WHERE ADEQUATE VENTILATION IS NOT AVAILABLE, NIOSH-APPROVED RESPIRATORS SHOULD BE USED TO REDUCE EXPOSURE. GOGGLES OR FULL-FACE RESPIRATORS MAY BE REQUIRED IN CERTAIN USE CONDITIONS TO PREVENT EYE CONTACT OR IRRITATION.
VENTILATION (LOCAL, MECHANICAL, SPECIAL): ADEQUATE VENTILATION. PROTECTIVE GLOVES: NEOPRENE GLOVES EYE PROTECTION: CHEMICAL SPLASH PROOF GOGGLES. OTHER PROTECTIVE EQUIPMENT: IMPERVIOUS CLOTHING AND FOOTWEAR IF NEEDED.

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SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: ALWAYS STORE UNUSED
PORTION IN ORIGINAL CONTAINER WITH CAP SECURE. NEVER STORE IN UNLABELED OR IMPROPERLY LABELED CONTAINER. CONTAINERS SHOULD BE STORED IN A COOL, DRY, WELL-VENTILATED AREA. EXERCISE DUE CAUTION TO PREVENT DAMAGE TO OR LEAKAGE FROM THE CONTAINER. ALWAYS USE PLASTIC CONTAINERS OTHER PRECAUTIONS: AS WITH ALL CHEMICALS, USE WITH DUE CARE ACCORDING TO LABEL INSTRUCTIONS AND PRECAUTIONS. KEEP OUT OF REACH OF CHILDREN. FOR COMMERCIAL/INDUSTRIAL USE ONLY.