

MATERIAL SAFETY DATA SHEET U.S. DEPARTMENT OF LABOR
COMPLIES WITH USDL SAFETY AND HEALTH REGULATIONS, (29 CFR
1910.1200)

IMPORTANT! THIS IS YOUR ONLY COPY. PLEASE DISTRIBUTE TO ALL
PLANT LOCATIONS

CODE #:1838 REV: 003 DATE SENT: 11/27/06

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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

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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:
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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

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: THOROUGHLY 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.