

**MATERIAL SAFETY DATA SHEET**

**TRADE NAME:** Metal Safe Machine Detergent #350

**SECTION I - IDENTIFICATION**

COMPANY NAME.....EPIC INDUSTRIES  
COMPANY ADDRESS.....1007 JERSEY AVE.  
.....NEW BRUNSWICK, NEW JERSEY 08901  
TELEPHONE NUMBER.....1 (800) 221-3742  
EMERGENCY PHONE #.....1 (800) 255-3942 CHEM-TEL, INC.  
PRODUCT HAZARD RATINGS: HEALTH=3, FIRE=0, REACTIVITY=0  
PROTECTIVE EQUIPMENT: H (HMIG)  
RATINGS LEGEND: 4=EXTREME, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=MINIMAL

**SECTION II - HAZARDOUS INGREDIENTS**

HAZARDOUS COMPONENTS	HAZARDOUS %	TLV(UNITS)	PEL	CAS #
POTASSIUM HYDROXIDE	10-20	2 MG/M3 NE		1310-58-3

NON HAZARDOUS INGREDIENTS\* BAL.  
UNIDENTIFIED INGREDIENTS ARE NOT CONSIDERED HAZARDOUS UNDER THE FEDERAL HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

**SECTION III - PHYSICAL DATA**

BOILING POINT (F).....212  
VOLATILITY/VOL (%).....>60  
SOLUBILITY IN H2O.....COMPLETE  
EVAPORATION RATE(BUAC=1)<1  
APPEARANCE/ODOR.....CLEAR LIQUID; ODORLESS

FREEZING POINT (F).....NA  
VAPOR PRESSURE.....NE  
SPECIFIC GRAVITY (H2O=1)1.22  
PH.....(CONCENTRATE),>14

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT...NONE LOWER FLAME LIMIT...NA HIGHER FLAME LIMIT...NA  
EXTINGUISH MEDIA.....USE MEDIA SUITABLE FOR SURROUNDING MATERIALS.  
FOR FIRE.....NO SPECIAL PROCEDURES REQUIRED.  
UNUSUAL FIRE HAZARD.....NONE KNOWN.

**SECTION V - HEALTH HAZARD DATA**

OVEREXPOSURE EFFECTS...INHALATION OF MIST MAY CAUSE RESPIRATORY IRRITATION WITH COUGHING, SNEEZING, SALIVATION, AND DIFFICULTY BREATHING. SEVERE EXPOSURES MAY LEAD TO CHEMICAL PNEUMONITIS. SEVERE SKIN BURNS. EYE CONTACT CAUSES SEVERE OR PERMANENT DAMAGE.

**FIRST AID PROCEDURES**

**EYES**...IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING THE EYELIDS OPEN. GET PROMPT MEDICAL ATTENTION.

**SKIN**...WASH AFFECTED AREA WITH LARGE AMOUNTS OF WATER. GET MEDICAL HELP IF IRRITATION PERSISTS.

**INHALATION**...MOVE VICTIM TO FRESH AIR. GET MEDICAL HELP IF IRRITATION PERSISTS.

**INGESTION**...CONTACT LOCAL POISON CENTER OR PHYSICIAN IMMEDIATELY!

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SECTION VI - REACTIVITY DATA

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STABILITY.....NORMALLY STABLE.

INCOMPATIBLE MATERIALS.....ACIDS. CONTACT WITH CERTAIN METALS MAY YIELD EXPLOSIVE HYDROGEN GAS.

DECOMPOSITION PRODUCTS.....PHOSPHORUS OXIDES, HYDROGEN.

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SECTION VII - SPILL OR LEAK PROCEDURE

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PROCEDURES.....WEAR PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION VIII). CLEAN UP WITH ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD...DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

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SECTION VIII - SPECIAL PROTECTION

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RESPIRATORY PROTECTION..NOT NORMALLY REQUIRED. IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVEREXPOSURE WEAR NIOSH APPROVED DUST/MIST RESPIRATOR.

EYEWEAR.....IF POTENTIAL FOR EYE CONTACT EXISTS, WEAR CHEMICAL GOGGLES.

VENTILATION....LOCAL EXHAUST MAY BE NECESSARY UNDER SOME HANDLING/USE CONDITIONS. SPECIFIC NEEDS SHOULD BE ADDRESSED BY SUPERVISORY OR HEALTH/SAFETY PERSONNEL.

CLOTHING/PROTECTIVE GLOVES.....WEAR NEOPRENE OR OTHER CHEMICAL RESISTANT GLOVES.

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SECTION IX - SPECIAL PRECAUTIONS

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CORROSIVE: STORE IN CLOSED CONTAINER IN WELL VENTILATED AREA.

NOTE: IF DILUTING, ALWAYS ADD THIS PRODUCT SLOWLY TO WATER WITH CONSTANT STIRRING.

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SECTION X - TRANSPORTATION (D.O.T. CLASSIFICATION)

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SHIPPING NAME=COMPOUND, CLEANING LIQUID (CONTAINS=POTASSIUM HYDROXIDE)

HAZARD CLASS=8 I.D. NUMBER=NA1760 PACKING GROUP=II LABEL=CORROSIVE

EMERGENCY RESPONSE GUIDE NUMBER ERG60

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APPROVAL	LAURANCE Y. LIU	TECHNICAL DIRECTOR	2/26/02
	NAME	TITLE	DATE

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NE - NOT ESTABLISHED

UN - UNAVAILABLE