

**MATERIAL SAFETY DATA SHEET (MSDS)**

**TRADE NAME: BREAKTHRU LIQUID MDC # BT 004**

**SECTION I - IDENTIFICATION**

**COMPANY NAME.....EPIC INDUSTRIES**  
**COMPANY ADDRESS.....1007 JERSEY AVENUE**  
**.....NEW BRUNSWICK, NJ 08901**  
**TELEPHONE NUMBER.....1 (800) 221-3742**  
**EMERGENCY PHONE #.....1 (800) 255-3924 CHEM-TEL, INC.**  
**PRODUCT HAZARD RATINGS: HEALTH = 3, FIRE = 0, REACTIVITY = 1**  
**PROTECTIVE EQUIPMENT: H(HMIG)**  
**RATING LEGEND: 4 = EXTREME, 3 = SERIOUS, 2 = MODERATE, 1 = SLIGHT, 0 = MINIMAL**

**SECTION II - HAZARDOUS INGREDIENTS**

<b>HAZARDOUS COMPONENTS</b>	<b>HAZARDOUS %</b>	<b>TLV(UNITS)</b>	<b>PEL</b>	<b>CAS#</b>
<b>POTASSIUM HYDROXIDE</b>	<b>&lt;10</b>	<b>2 MG/M3</b>	<b>NE</b>	<b>1310-58-3</b>
<b>SODIUM HYDROXIDE</b>	<b>&lt;10</b>	<b>2 MG/M3</b>	<b>NE</b>	<b>1310-73-2</b>
<b>NON HAZARDOUS INGREDIENTS</b>	<b>BAL.</b>			

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

**SECTION III - PHYSICAL DATA**

<b>BOILING POINT (F).....212</b>	<b>FREEZING POINT (F).....NA</b>
<b>VOLATILITY/VOL (%).....&lt;60</b>	<b>VAPOR PRESSURE.....&lt;18</b>
<b>SOLUBILITY IN H2O.....COMPLETE</b>	<b>SPECIFIC GRAVITY (H2O=1) 1.19</b>
<b>EVAPORATION RATE (BuAc=1) &lt;1</b>	<b>pH.....(CONCENTRATE).....13.8</b>
<b>APPEARANCE/ODOR.....LIGHT PINK LIQUID, ODORLESS.</b>	

**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 DUST OR MIST MAY CAUSE RESPIRATORY IRRITATION WITH COUGHING, SNEEZING, SALIVATION AND DIFFICULT 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!!**

SECTION VI - REACTIVITY DATA

STABILITY.....NORMALLY STABLE
INCOMPATIBLE MATERIALS.....ACIDS. CONTACT WITH CERTAIN METALS MAY YIELD EXPLOSIVE HYDROGEN GAS.
DECOMPOSITION PRODUCTS.....PHOSPHORUS OXIDES, HYDROGEN..

SECTION VII - SPILL OR LEAK PROCEDURE

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

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

SECTION VIII - SPECIAL PROTECTION

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 OR FACE SHIELD.

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 AND CLOTHING AS NEEDED TO PREVENT SKIN CONTACT.

SECTION IX - SPECIAL PRECAUTIONS

CORROSIVE. STORE IN CLOSED CONTAINER IN A WELL-VENTILATED AREA. NOTE: IF DILUTING, ALWAYS ADD THIS PRODUCT SLOWLY TO WATER WITH CONSTANT STIRRING.

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

SHIPPING NAME=COMPOUND, CLEANING LIQUID (CONTAINS POTASSIUM HYDROXIDE)
HAZARD CLASS=8, I.D.#=NA1760, PACKING GROUP=II, LABEL=CORROSIVE
EMERGENCY RESPONSE GUIDE NUMBER=ERG154

APPROVAL BARRY RUCK TECHNICAL DIRECTOR 9/26/11
NAME TITLE DATE

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