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Product ID:815 MX MSDS Date:01/01/1990 FSC:6850 NIIN:00-753-4548 MSDS Number: BFMYM === Responsible Party === Company Name: BRULIN AND CO INC Address: 2920 DR ANDREW J BROWN AVE Box:270-B **City:INDIANAPOLIS** State:IN ZIP:46206-0270 Country:US Info Phone Num:317-923-3211 Emergency Phone Num:317-923-3233/800-424-9300(CHE MTREC) CAGE:94058 === Contractor Identification === Company Name: BRULIN AND CO INC Address:2920 DR ANDREW J BROWN AVE Box:270 City:INDIANAPOLIS State:IN ZIP:46205-0270 Country:US Phone:317-923-3211 CAGE:94058

Ingred Name:ETHANOLAMINE CAS:141-43-5 RTECS #:KJ5775000 Fraction by Wt: 1-5% Other REC Limits:NONE SPECIFIED OSHA PEL:3 PPM/6 STEL ACGIH TLV:3 PPM/6 STEL; 9192

Ingred Name:OHER MATERIALS(EMULSION) Fraction by Wt: BALANC LD50 LC50 Mixture:NOT PROVIDED BY MANUFACTURER Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: EYE: DIRECT CONTACT MAY CAUSE IRRITATION. INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION AND IRRITATION OF MOUTH AND THROAT. SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION. INHALATIO N: EXC ESSIVE EXPOSURE MAY CAUSE **RESPIRATORY IRRITATION.** Explanation of Carcinogenicity: PRODUCT CONTAINS NO MATERIALS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA. Effects of Overexposure: EYE CONTACT MAY CAUSE IRRITATION, SEEN AS REDNESS AND SWELLING. PROLONGED SKIN CONTACT MAY CAUSE IRRITATION, SEEN AS REDNESS. EXCESSIVE INHALATION OF MISTS MAY BE IRRITATING AND CAUSE COUGHING AND DIS COMFORT IN THE NOSE, THROAT AND CHEST. INGESTION MAY CAUSE PAIN OR DISCOMF ORT IN THE MOUTH, THROAT AND STOMACH. Medical Cond Aggravated by Exposure: ETHANOLAMINE MAY AGGRAVATE ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE. MAY ALSO AGGRAVATE

EXISTING DERMATITIS.

First Aid:INHALATION: IF AFFECTED, REMOVE TO FRESH AIR. EYE CONTACT:
FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES LIFTING UPPER & LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION. SKIN CONTACT: WASH
WITH MILD SOAP AND WATER. REMOVE CONTAMINATED
CLOTHING AND LAUNDER BEFORE REUSE. INGESTION: IF CONSCIOUS, DILUTE BY GIVING AT LEAST 2 GLASSES OF WATER. CALL A PHYSICIAN IMMEDIATELY.

Flash Point:NONE Extinguishing Media:NOT SPECIFIED BY MANUFACTURER. Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER

=========== Accidental Release Measures

Spill Release Procedures:SMALL SPILLS: FLUSH TO SANITARY SEWER WITH PLENTY OF WATER. LARGE SPILLS: SOAK UP ON SOLID ABSORBENT AND SHOVEL INTO CONTAINERS FOR DISPOSAL. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage Precautions:STORE BETWEEN 40 F AND 120 F. Other Precautions:NONE SPECIFIED BY MANUFACTURER.

Respiratory Protection:NOT NORMALLY REQUIRED. USE NIOSH-MSHA APPROVED RESPIRATOR IF TLV OF ETHANOLAMINE IS EXCEEDED. Ventilation:MECHANICAL (GENERAL) NORMALLY SUFFICIENT. Protective Gloves:NEOPRENE OR BUTYL ON PROLONGED CONTACT Eye Protection:GOGGLES OR SAFETY GLASSES Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER. Work Hygienic Practices:AVOID BREATHING SPRAY MIST. WASH THOROUGHLY AFTER EACH USE. Supplemental Safety and Health AVOID CONTACT WITH EYES AND SKIN. USE THIS PRODU CT AS DIRECTED. FOLLOW

MANUFACTURER'S INSTRUCTIONS.

HCC:B3 NRC/State Lic Num:NONE Boiling Pt:B.P. Text:212F,100C Melt/Freeze Pt:M.P/F.P Text:0F,-18C Vapor Pres:0.2 @68F Vapor Density:2.1 Spec Gravity:1.07 Evaporation Rate & amp; Reference:1.0 (WATER=1) Solubility in Water:COMPLETE Appearance and Odor:BLUE GREEN LIQUID, CITRUS ODOR

Stability Indicator/Mat

erials to Avoid:YES STRONG OXIDIZERS AND ACIDS Stability Condition to Avoid:FREEZING Hazardous Decomposition Products:THERMAL DECOMPOSITION CAN PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES.

Waste Disposal Methods:DISPOSE OF ACCORDING FEDERAL, STATE AND LOCAL LAWS AND 40 CFR.

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