

BRULIN & CO INC -- 815 MX -- 7930-01-098-8744

===== Product Identification =====

Product ID:815 MX
MSDS Date:04/01/1987
FSC:7930
NIIN:01-098-8744
MSDS Number: BNPVS
=== Responsible Party ===
Company Name:BRULIN & CO INC
Address:2920 DR ANDREW J BROWN AVE
Box:270-B
City:INDIANAPOLIS
State:IN
ZIP:46206
Country:US
Info Phone Num:317-923-3211;800-428-7149
Emergency Phone Num:317-923-3233;800-424-9300(
CHEMTREC)
CAGE:IO291

=== Contractor Identification ===

Company Name:BRULIN & CO INC
Box:270-B
City:INDIANAPOLIS
State:IN
ZIP:46206-0270
Country:US
Phone:317-923-3211;800-428-7149
CAGE:IO291
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

===== Composition/Information on Ingredients =====

Ingred Name:ETHANOL,2-AMINO-; (ETHANOLAMINE). VP: 0.2@68F. VAP DENS:
2.1
CAS:1

41-43-5
RTECS #:KJ5775000
Fraction by Wt: 1-5%
OSHA PEL:3 PPM;6 STEL
ACGIH TLV:3 PPM;6 STEL

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE-DIRECT CONTACT MAY CAUSE IRRITATION. INGEST: MAY CAUSE GASTROINTESTINAL IRRITATION & IRRITATION OF MOUTH AND THROAT. SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION. INHAL: EXCESSIVE EXPOSURE MAY CAUSE RESPIRATORY IRRITATION.
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:EYE CONTACT MAY CAUSE IRRITATION, SEEN AS REDNESS & SWELLING. PROLONGED SKIN CONTACT MAY CAUSE IRRITATION, SEEN AS REDNESS. EXCESSIVE INHALATION OF MISTS MAY BE IRRITATING & CAUSE COUGHING & DISCOMFORT IN NOSE, THROAT, & CHEST. INGESTION MAY CAUSE PAIN OR DISCOMFORT IN MOUTH, THROAT, & STOMACH.
Medical Conditions and Aggravated by Exposure:ETHANOLAMINE MAY AGGRAVATE ASTHMA & INFLAMMATORY OR FIBROTIC PULMONARY DISEASE. MAY ALSO AGGRAVATE AN EXISTING DERMATITIS.

===== First Aid Measures =====

First Aid:INHAL: REMOVE TO FRESH AIR. EYE: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN LIFTING LIDS OCCAS. GET MED ATTN. SKIN: WASH WITH MILD SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. INGEST: DILUTE BY GIVING @LEAST 2 GLASSES OF WATER. CALL PHYS IMMED.

===== Fire Fighting Measures =====

Flash Point:NONE
Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:SM SPILLS: FLUSH TO SANITARY SEWER WITH PLENTY OF WATER. LARGE SPILLS: SOAK UP ON SOLID ABSORBENT

SORBENT AND SHOVEL INTO
CONTAINERS FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE BETWEEN 40 & 120F.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NOT NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED
RESPIRATOR IF TLV OF ETHANOLAMINE IS EXCEEDED.

Ventilation:MECH(GEN): NORM
ALLY SUFFICIENT.

Protective Gloves:NEOPRENE/BUTYL RUBBER.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NONE.

Work Hygienic Practices:AVOID BREATHING SPRAY MIST.

Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:30.0F,-1.1C

Vapor Pres:SEE ING 1

Vapor Density:SEE ING 1

Spec Gravity:1.07(H*2O=1)

Evaporation Rate & Reference:1.0(H*
2O=1)

Solubility in Water:COMPLETE

Appearance and Odor:BLUE GREEN LIQUID, CITRUS ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS AND ACIDS.

Stability Condition to Avoid:FREEZING.

Hazardous Decomposition Products:THERMAL DECOMPOSITION CAN PRODUCE CO,
CO*2, NO*X.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF ACCORDING TO FEDERAL, STATE AND LOCAL

LAWS AND 40 CFR.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their

particular situation.