

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-811/81161-17-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

81161-17-3

Code:

M

RTECS:

DA8346000

Code:

M

Name:

ESMOLOL HYDROCHLORIDE

Other REC Limits:

NONE SPECIFIED

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

THIS MATERIAL HAS NO ESTABLISHED EXPOSURE LIMITS. USE A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR OR AIR SUPPLIED RESPIRATOR WHEN A RESPIRATOR IS JUDGED TO BE APPROPRIATE TO PREVENT INHALATION OF VAPOR OR MIST.

Ventilation:
NO INFORMATION GIVEN ON MSDS BY MFR. HMIS: SUPPLY SUFFICIENT VENTILATION TO PRECLUDE THE USE OF RESPIRATORS.

Protective Gloves:

NEOPRENE OR TYVEK

Eye Protection:

SAFETY GLASSES & FULL FACE PROTECTION

Other Protective Equipment:

Equipment 3 WEAR IMPERVIOUS COLOTHING MADE OF NEOPRENE OR TYVEK, SUCH AS APRON, BOOTS, JUMP SUIT AS APPROPRIATE.

Work Hygienic Practices:

MFR: ? HMIS: USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health:

KEY2:KT

Health Hazards Data

LD50/LC50/Mixture:

LD50 (ORAL RAT) IS 71 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

BREVIBLOC INJECTION IS FORMULATED FOR HUMAN THERAPEUTIC USE AND CONTAINS 1% ESMOLOL HYDROCHLORIDE BY VOLUME. NORMAL HANDLING OF THIS PRODUCT IS NOT CONSIDERED HAZARDOUS. THE FOLLOWING INFORMATION IS PROVIDED FOR THOSE CIRCUMSTANCES WHERE HANDLING OF THIS PRODUCT RESULTS IN SIGNIFICANT POTENTIAL FOR EXPOSURE.

Explanation Of Carcinogenicity:

THE PRODUCT CONTAINS NO INGREDIENT AT 0.1% OR GREATER THAT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:

EXPOSURE MAY CAUSE ITCHING AND BURNING OF THE EYES. NO INFORMATION AVAILABLE CONCERNING EXPOSURE VIA SKIN CONTACT OR INHALATION. PATIENTS IN CLINICAL TRIALS HAVE EXPERIENCED HYPOTENSION. ABOUT 12% HAVE HAD DIAPHORESIS AND DIZZINESS.

Medical Cond Aggravated By Exposure:

NOT GIVEN.

First Aid:

EYE: FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. WASH WITH SOAP & WATER. INHALED: REMOVE TO FRESH AIR. RESTORE/AID BREATHING AS NEEDED. INGESTED: IMMEDIATELY GIVE 2 LARGE GLASSES OF MILK OR WATER AND INDUCE VOMITING. (NOTHING BY MOUTH IF UNCONSCIOUS.) GET IMMEDIATE MEDICAL CARE. IF ANY IRRITATION PERSISTS OR IS SEVERE, SEE A DOCTOR.

Spill Release Procedures:

REVIEW "FIRE & EXPLOSION HAZARDS" AND "SAFETY PRECAUTIONS" BEFORE PROCEEDING WITH CLEAN UP. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT DURING CLEAN UP. NO SPECIAL PROCEDURE REQUIRED FOR SMALL CLEAN-UP.

Neutralizing Agent:

NO INFORMATION GIVEN ON MSDS BY MFR.

Waste Disposal Methods:

TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE/PROVINCIAL & LOCAL REGULATIONS.

Handling And Storage Precautions:

STORE AT ROOM TEMPERATURE (59-86°F). FREEZING DOES NOT ADVERSELY AFFECT THE PRODUCT BUT EXPOSURE TO ELEVATED TEMPERATURES SHOULD BE AVOIDED.

Other Precautions:

KEEP CONTAINER IN A DARK PLACE. KEEP CONTAINER TIGHTLY CLOSED. CLOSE CONTAINER AFTER EACH USE. DO NOT CONSUME FOOD, DRINK, OR TOBACCO IN AREAS WHERE THEY MAY BE CONTAMINATED WITH THIS MATERIAL.

Fire and Explosion Hazard Information

Flash Point Method:

CC

Flash Point:

89.6F,32.0C

Autoignition Temp:

743F

Lower Limits:

UNKNOWN

Upper Limits:

UNKNOWN

Extinguishing Media:

CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:

EVACUATE PERSONNEL TO A SAFE AREA. KEEP PERSONNEL REMOVED AND UPWIND OF FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:

NO INFORMATION GIVEN ON MSDS BY MFR.

Physical/Chemical Properties

HCC:

F3

NRC/State Lic No:

NONE

Net Prop WT For Ammo:

NO

Boiling Point:

UNKNOWN

B.P. Text:

UNKNOWN

Melt/Freeze Pt:

UNKNOWN

Decomp Temp:

UNKNOWN

Decomp Text:

UNKNOWN

Vapor Pres:

UNKNOWN

Vapor Density:

UNKNOWN

Volatile Org Content %:

UNKNOWN

Spec Gravity:

1.026

VOC Pounds/Gallon:

UNKNOWN

PH:

3.5-6

VOC Grams/Liter:

UNKNOWN

Viscosity:

UNKNOWN

Evaporation Rate & Reference:

UNKNOWN

Solubility in Water:

UNKNOWN

Appearance and Odor:

CLEAR, COLORLESS TO SLIGHTLY YELLOW SOLUTION WITH A DISTINCTIVE ALCOHOL ODOR.

Percent Volatiles by Volume:

UNKNOWN

Corrosion Rate:

UNKNOWN

Reactivity Data

Stability Indicator:

YES

Stable At Normal Temperature and Storage Conditions:

STABLE AT NORMAL TEMPERATURE AND STORAGE CONDITIONS. DEGRADATION MAY RESULT.

Materials To Avoid:

NONE REASONABLY FORSEEABLE.

Hazardous Decomposition Products:

DECOMPOSES WITH HEAT.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

WILL NOT OCCUR.

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:

N/P

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