

DU PONT E I DE NEMOURS AND CO INC -- BREVIBLOC -- 6505-01-304-4971

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

Product ID:BREVIBLOC

MSDS Date:01/07/1987

FSC:6505

NIIN:01-304-4971

MSDS Number: BRFWG

=== Responsible Party ===

Company Name:DU PONT E I DE NEMOURS AND CO INC

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:302-992-4132

Emergency Phone Num:800-441-7515(TRAN

S)800-441-3637MED

CAGE:0BA38

=== Contractor Identification ===

Company Name:DU PONT E I DE NEMOURS AND CO INC CHEM

Address:DELLE DONNE CORPORATE CTR

City:WILMINGTON

State:DE

ZIP:19880-0800

Country:US

Phone:800-441-7515

CAGE:0BA38

Company Name:DU PONT MERCK PHARMACEUTICAL CO, THE

Address:BARLEY MILL PLAZA

Box:80026

City:WILMINGTON

State:DE

ZIP:19880-0026

Country:US

Phone:800-441-9861

CAGE:04490

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

Ingred Name:ESMOLOL HYDROCHLORID

E  
CAS:81161-17-3  
RTECS #:DA8346000  
Fraction by Wt: 1%  
Other REC Limits:NONE SPECIFIED

Ingred Name:INERT INGREDIENTS  
Fraction by Wt: 99%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 71 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:BREVIBLOC INJECTION IS FORMULATED FOR  
HUMAN THERAPUTIC USE AND C  
ONTAINS 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.

Effects of Overexposure:EXPOSURE MAY CAUSE ITCHING AND BURNING OF THE  
EYES. NO INFORMATION

ON 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 Measures =====

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:REMOVE  
CONTAMINATED CLOTHING AND LAUNDRY 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.

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

Flash Point Method:CC  
Flash Point:89.6F,32.0C  
Autoignition Temp:Autoignition Temp Text:743F  
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.

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

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.

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE(59-86F). 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.

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

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 Glove

s:NEOPRENE OR TYVEK

Eye Protection:SAFETY GLASSES & FULL FACE PROTECTION

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING 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

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

HCC:F3

NRC/State Lic Num:NONE

Spec

Gravity:1.026

pH:3.5-6

Appearance and Odor:CLEAR, COLORLESS TO SLIGHTLY YELLOW SOLUTION WITH A  
DISTINCTIVE ALCOHOL ODOR

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

Stability Indicator/Materials to Avoid:YES

NONE REASONABLY FORSEEABLE.

Stability Condition to Avoid:STABLE AT NORMAL TEMPERATURE AND STORAGE  
CONDITIONSEGRADATION MAY RESULT.

Hazardous Decomposition Products:DECOMPOSES WITH HEAT

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL  
MUST BW I/A/W FEDERAL, STATE/PROVINCIAL & LOCAL REGULATIONS.

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.