

SHAPE PRODUCTS -- 1,2-DICHLOROETHANE -- 6810-00-838-5932

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

Product ID:1,2-DICHLOROETHANE

MSDS Date:04/22/1989

FSC:6810

NIIN:00-838-5932

MSDS Number: BJZXB

=== Responsible Party ===

Company Name:SHAPE PRODUCTS

Address:1127 57TH AVE

City:OAKLAND

State:CA

ZIP:94621-4427

Country:US

Emergency Phone Num:415-534-1186

CAGE:3D869

=== Contractor Identification ===

Company Na

me:SHAPE PRODUCTS

Address:1127 57TH AVE.

Box:City:OAKLAND

State:CA

ZIP:94621-4427

Country:US

Phone:510-534-1186 OR 800-444-0015

CAGE:3D869

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

Ingred Name:ETHYLENE DICHLORIDE (SARA III)

CAS:107-06-2

RTECS #:KI0525000

Fraction by Wt: 100%

OSHA PEL:50 PPM/C,100PPM

ACGIH TLV:10 PPM; 9293

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) I

S 670 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALE- IRRITATION OF UPPER RESPIRATORY TRACT, HEADACE, NAUSEA, VOMITING. SKIN- IRRITATION, CYANOSIS,HYPOTENSION, DIZZINESS. EYE- DISCOMFORT, CORNEAL INJURY. INGEST- HYPOTENSION,CYANOSIS, NAUSE A. CHRONIC: INHALE- NEUROLOGICAL CHANGES, LIVER AND KIDNEY DAMAGE. SKIN- SEVERE IRRITATION. EYE- CONJUNCTIVITIS.

Explana

tion of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:SEE HEALTH HAZARDS AND MSDS. ETHYLENE DICHLORIDE IS AN EYE, SKIN, AND MUCOUS MEMBRANE IRRITANT AND A CENTRAL NERVOUS SYSTEM DEPRESSANT. POISONING MAY AFFECT THE LIVER, KIDNEYS, HEART ,AND ADRENAL GLAN DS. THE USE OF ALCOHOLIC BEVERAGES MAY ENHANCE THE TOXIC EFFECTS.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND

=====

=== First Aid Measures =====

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR.BREATHING STOPPED, GIVE ARTIFICIAL RESPIRATION. EYE: FLUSH WITH PLENTY OF WATE FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATE RE MOVE CONTAMINATED CLOTHING. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. IF MEDICAL ATTENTION IS NOT AVAILABLE, INDUCE VOMITING BY TOUCHING FINGER TO BACK OF THROAT.

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

=====

Flash Point Method:COC

Flash Point:56.0F,13.3C

Lower Limits:6.2

Upper Limits:16.0

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR STANDARD FOAM

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCB & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO CO NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST WHEN EXPOSED TO HEAT OF FIRE.

===== Accidental Rel

ease Measures =====

Spill Release Procedures:SOAK UP SMALL SPILLS WITH SAND OR INERT ABSORBANT AND PLACE IN CONTAINERS FOR LATER DISPOSAL. DIKE TO RETAIN LAR SPILLS. VACUUM UP FREE LIQUID. REMOVE RESIDUE WITH INERT ABSORBANT. PLACE IN DISPOSAL C ONTAINER. FLUSH AREA WITH WATER.  
Neutralizing Agent:NONE APPLICABLE FOR THIS MATERIAL

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT AND IGNITION SOURCES. KEEP CONTAINERS CLOSED.  
Other Precautions:VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS.RUN-OFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RE SPIRATOR SELECTION.  
Ventilation:MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST MAY REQUIRED IF WORK AREA IS NOT VENTED.  
Protective Gloves:RUBBER  
Eye Protection:CHEMICAL SAFETY GOGGLES  
Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health  
CONTACT LENSES SHOULD NOT BE WORN WHEN HANDLING THIS SUBSTANCE.

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

HCC:F2  
Boiling Pt:B.P. Text:183F,84C  
Melt/Freeze Pt:M.P/F.P Text:-32F,-36C  
Vapor Pres:87  
Vapor Density:3.35  
Spec Gravity:1.256  
Evaporation Rate & Reference:1.3 (CARBON TETRACHLO=1)  
Solubility in Water:0.8%  
Appearance and Odor:CLEAR, COLORLESS, OILY LIQUID W/ PLEASANT CLOROFORM-LIKE ODOR AND SWEET TASTE.

===== Stability and Reactivity Data =

=====

Stability Indicator/Materials to Avoid: YES

ALUMINUM, AMMONIA, CAUSTICS, DIMETHYLAMINOPROPYAMINE, DINITROGEN TETROXIDE, NITRIC ACID, OXIDIZERS, POTASSIUM.

Stability Condition to Avoid: ABNORMAL TEMPERATURES AND PRESSURES.

Hazardous Decomposition Products: HIGHLY TOXIC FUMES OF PHOSGENE, TOXIC AND CORROSIVE FUMES OF CHLORIDES, AND OXIDES OF CARBON.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND 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.