

FISHER SCIENTIFIC CO -- 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: BMTXP

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO

Address:585 ALPHA DR

City:PITTSBURGH

State:PA

ZIP:15238-2911

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100, CHEMTREC 80

0-424-9300

Preparer's Name:GASTON L. PILLORI

CAGE:22527

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

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

Ingred Name:ETHYLENE DICHLORIDE (SARA III)

CAS:107-06-2

RTECS #:KI0525000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:50 PPM/C,100PPM

ACGIH TLV:10 PPM; 9293

EPA Rpt Qty:100 LBS

DOT

Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 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-INHALATION:IRRITATION OF UPPER
RESPIRATORY TRACT, HEADACHE, NAUSEA, VOMITING. SKIN:IRRITATION,
CYANOSIS, HYPOTENSION, DIZZINESS. EYE:DISCOMFORT, CORNEAL INJURY.
INGESTION-HARMFUL, HYPOTENSION, C YANOS
IS, NAUSEA. CHRONIC:BRAIN,
LIVER AND KIDNEY DAMAGE, CONJUNCTIVITIS.
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY OSHA AS A CARCINOGEN.
Effects of Overexposure:IRRITATION OF EYE, SKIN, COUGHING, CNS
PROBLEMS, REDUCED FUNCTIONS OF LIVER, KIDNEYS, HEART, AND ADRENAL
GLANDS.
Medical Cond Aggravated by Exposure:SKIN AND RESPIRATORY,LIVER AND
KIDNEY DISORDERS.

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

First Aid:INHAL
ATION:REMOVE SUBJECT TO FRESH AIR. IF BREATHING STOPPED,
GIVE ARTIFICIAL RESPIRATION/OXYGEN. EYE:FLUSH WITH WATER FOR 15
MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN:WASH WITH SOAP AND
WATER. R EMOVE CONTAMINATED CLOTHING. INGESTION:GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point Method:CC
Flash Point:56.0F,13.3C
Autoignition Temp:Autoignition Temp Text:775F
Lower Limits:6.2
Upper Limits:16.0
Extinguishing Medi
a:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR
STANDARD FOAM
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST WHEN EXPOSED TO HEAT
OF FIRE.

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

Spill Release Procedures:SOAK UP SMALL SPILLS WITH SAND OR INERT
ABSORBANT

AND PLACE IN CONTAINERS FOR LATER DISPOSAL. DIKE TO
RETAIN LARGE SPILLS. VACUUM UP FREE LIQUID. REMOVE RESIDUE WITH
INERT ABSORBANT. PLACE IN DISPOSAL CONTAINER. USE PERSONAL
PROTECTION.

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Handling and Storage
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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.

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Exposure Controls/Personal Protection
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Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION
EXPOSURES BELOW PEL (TLV), USE NIOSH APPROVED RESPIRATOR AS PER
CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR
SELECTION.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST
MAY BE 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. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

CONTACT LENSES SHOULD NOT BE WORN WHEN HANDLING THIS SUBSTANCE.

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Physical/Chemical Properties
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HCC:F2

Boiling Pt:B.P. Te

xt:183F,84C

Melt/Freeze Pt:M.P/F.P Text:-32F,-36C

Vapor Pres:87

Vapor Density:3.35

Spec Gravity:1.3

Evaporation Rate & Reference:>1 (CARBON TETRACHLO=1)

Solubility in Water:0.8%

Appearance and Odor:CLEAR, COLORLESS LIQUID, PLEASANT CLOROFORM-LIKE
ODOR.

Percent Volatiles by Volume:100

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

ALUMINUM, AMMONIA, CAUSTICS, DIMETHYLAMINOPROPYAMINE, DINITROGEN
TETROXIDE, NITRIC ACID, O

XIDIZERS, POTASSIUM.

Stability Condition to Avoid:ABNORMAL TEMPERATURES, OPEN FLAMES.

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.

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