

CAMBRIDGE ISOTOPE LABORATORIES -- 31992-9;1,2-DICHLOROETHANE, 99%, ACS REAGENT --
6810-00-838-5932

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

Product ID:31992-9;1,2-DICHLOROETHANE, 99%, ACS REAGENT

MSDS Date:01/01/1987

FSC:6810

NIIN:00-838-5932

MSDS Number: BWDYQ

=== Responsible Party ===

Company Name:CAMBRIDGE ISOTOPE LABORATORIES

Address:20 COMMERCE WAY

City:WOBURN

State:MA

ZIP:01801

Country:US

Info Ph

one Num:617-938-0067/9721(FAX) 800-322-1174

Emergency Phone Num:617-938-0067 800-322-1174

CAGE:5Y748

=== Contractor Identification ===

Company Name:CAMBRIDGE ISOTOPE LABORATORIES

Address:20 COMMERCE WAY

Box:City:WOBURN

State:MA

ZIP:01801

Country:US

Phone:617-938-0067/9721(FAX) 800-322

CAGE:5Y748

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

Ingred Name:ETHYLENE DICHLORIDE (SARA III)

CAS:107-06-2

RTECS #:KI0525000

Fraction by Wt: 99%

Other REC Limits:NONE RECOMMENDED

OSH

A PEL:50 PPM; Z-2
ACGIH TLV:10 PPM; 9394
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 670MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:**POISON--CARCINOGEN** EYES:MAY CAUSE
IRRITATION.SKIN:MAY CAUSE IRRITATION.MAY BE DERMALLY ABSORBED IN
HARMFUL AMOUNTS.INGEST:MAY CAUSE GI TRACT IR
RITATION.INHAL:MAY
CAUSE RESPIRATORY IRRITATION AND C NS DEPRESSION.CHRONIC:MAY DAMAGE
LIVER AND KIDNEYS.
Explanation of Carcinogenicity:THIS MATERIAL MAY ALTER GENETIC
MATERIAL.
Effects of Overexposure:SKIN:DERMATITIS.INHAL/INGEST/SKIN
ABSORPTION:HEADACHE,NAUSEA,VOMITING.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING LIVER AND
KIDNEY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First A
id:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH
WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR
ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET
PROMP T QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,WASH OUT MOUTH
WITH WATER.

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

Flash Point:60.0F,15.6C
Autoignition Temp:Autoignition Temp Text:775F
Lower Limits:6.2
Upper Limits:15.6
Extinguishing Media:WATER FOG,DRY
CHEMICAL,CARBON DIOXIDE,FOAM.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER
FOG.
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR,CAN TRAVEL
DISTANCES ALONG THE GROUND,AND FLASHBACK AT THE
SOURCE.DECOMPOSITION FUMES MAY BE TOXIC.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER
RESPIRATORY AND

PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A
NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER
CONTAINER FOR DISPOSAL.

Neutralizing Agent:NOT APPLICABLE.

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Handling and Storage
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Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED
PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT AND
SOURCES OF IGNITION.

Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID
SKIN AND EY
E CONTACT.

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Exposure Controls/Personal Protection
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Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN
ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)
VENTILATION TO MAINTAIN TLV/PEL.USE NON-SPARKING EQUIPMENT.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A
LOCAL EYE WASH STA
TION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET
CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK
AREA.

Supplemental Safety and Health

****POISON--CARCINOGEN**** MFR HAS INCLUDED A LABEL FOR PART # DLM-18, A 5G
UNIT OF ISSUE, WHICH SUGGESTS THAT THIS ITEM MAY CONTAIN
DEUTERIUM.HOWEVER,NOWHERE IN THE MSDS IS THIS SPECIFIED TO BE
DEUTERATE D.

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Physical/Chemical Properties
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HCC:F5

Boiling Pt:B.P. Text:181F,83C

Vapor Pres:87

Vapor Density:3.4

Spec Gravity:1.247

Solubility in Water:SLIGHT

Appearance and Odor:LIQUID;COLORLESS;CHLOROFORM-LIKE ODOR

Percent Volatiles by Volume:>99

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

OXIDIZERS,ALUMINUM.

Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON
MONOXIDE,HCL(GAS),PHOSGENE.

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Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.RCRA CODE IS U077.

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