

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-132/1320-37-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
1320-37-2
Code:
M

RTECS:
K11100000
Code:
M

Name:
DICHLOROTETRAFLUOROETHANE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
1000 PPM (PER MFR)
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
FOR FIRES AND SPILLS USE SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

Ventilation:
NORMAL VENTILATION. USE ONLY IN WELL-VENTILATED AREAS.

Protective Gloves:
SPILLS-LINED BUTYL GLOVES

Eye Protection:
SPILLS-SPLASH GOGGLES

Other Protective Equipment:
Equipment NONE

Work Hygienic Practices:
WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health:
4 MSDS DATED 1-27-86. VAPOR PRESSURE=1444MMHG.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: INHALATION MAY CAUSE ASPHYXIATION. CONTACT MAY CAUSE FROSTBITE OF SKIN AND EYES. NO HEALTH EFFECTS GIVEN FOR INGESTION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation Of Carcinogenicity:
DICHLOROTETRAFLUOROETHANE IS NOT LISTED BY NTP OR IARC AS A CARCINOGEN OR SUSPECTED CARCINOGEN. 2

Signs And Symptoms Of Overexposure:
INHALED: DROWSINESS, SHORTNESS OF BREATH, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS, OR DEATH. EYES: PAIN, BLISTERS/BURNS, REDNESS. SKIN: REDNESS, BLISTERS; IF SEVERE SKIN TURNS WHITE THEN BLACK.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
INHALED: REMOVE TO FESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING SPED; GIVE OXYGEN IF BREATHING DIFFICULT. SEE DOCTOR. DO NOT GIVE EPHINEPHRINE OR SIMILAR DRUGS-MAY INCREASE RISK OF ELICITING CARDIAC DYSRHYTHMIAS. SKIN: FLUSH WITH WARM WATER (NOT HOT!) OR TOWELS DAMP WITH WARM WATER. GET IMMEDIATE MEDICAL ATTENTION. EYES: FLUSH WITH WARM WATER. GET IMMEDIATE MEDICAL ATTENTION.

Spill Release Procedures:
PERSONNEL NOT WEARING RESPIRATORY PROTECTION SHOULD BE RETRICTED FROM AREA OF SPILL. VENTILATE SPILL AREA AND REMOVE ANY SOURCE OF OPEN FLAMES. ALLOW TO VAPORIZE.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
ALLOW SPILLED MATERIAL TO VAPORIZE IN A WELL-VENTIATED AREA. DO NOT PNCTURE OR INCINERATE CANS. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:
STORE IN A COOL, DRY, WELL-VENTILATED PLACE. STORE BELOW 130F.

Other Precautions:
WILL ATACK SOME FORMS OF PLASTIC, RUBBER AND COATINGS. FEDERAL LAW PROHIBITS DISPENSING WITHOUT PRESCRIPTION.

Fire and Explosion Hazard Information

Flash Point Method:
TOC

Flash Point:

Flash Point Text:
NONE 3

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS AND BUNKER GEAR.

Unusual Fire/Explosion Hazard:
CONTENTS UNDER PRESSURE AND MAY EXPLODE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR. DO NOT STORE ABOVE 130F.

Physical/Chemical Properties

HCC:
G3

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:
=3.7C, 38.8F

B.P. Text:

Melt/Freeze Pt:
=-94.C, -137.2F

M.P/F.P Text:

Decomp Temp:
=146.C, 294.8F

Decomp Text:

Vapor Pres:
1444 MM HG

Vapor Density:
5.9(AIR=1)

Volatile Org Content %:

Spec Gravity:
1.44 (WATER=1)

VOC Pounds/Gallon:

PH: 7

VOC Grams/Liter:

Viscosity:
0.38 CST @77F

Evaporation Rate & Reference:
>1 (N-BUTYL ACETATE=1)

Solubility in Water:
NEGLEGIBLE

Appearance and Odor:
COLORLESS LIQUID WITH SLIGHT ETHERAL ODOR

Percent Volatiles by Volume:
100

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
AVOID OPEN FLAMES AND HIGH TEMPERATURES. AVOID CONTACT WITH STRONG ALKALIS OR ALKALI METALS. DO NOT STORE ABOVE 130F.

Materials To Avoid:
STRONG ALKALIS AND ALKALI METALS

Hazardous Decomposition Products:
FORMS HYDROCHLORIC ACID, HYDROFLUORIC ACID, AND PHOSGENE

Hazardous Polymerization Indicator:
NO 5

Conditions To Avoid Polymerization:
NONE

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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