

DUPONT E I DE NEMOURS & CO, INC, POLYMER PRODUCTS -- FREON 114 -- 6830-00-290-4379
===== Product Identification =====

Product ID:FREON 114

MSDS Date:10/07/1991

FSC:6830

NIIN:00-290-4379

MSDS Number: CHQHY

=== Responsible Party ===

Company Name:DUPONT E I DE NEMOURS & CO, INC, POLYMER PRODUCTS

Address:1007 N MARKET ST

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:800-441-7515/800-523

-0372

Emergency Phone Num:800-441-3637/CHEMTREC 800-424-9300

Preparer's Name:W. J. BROCK

CAGE:9V583

=== Contractor Identification ===

Company Name:DUPONT E I DE NEMOURS AND CO INC, POLYMER PRODUCT-TEFLON
CO.

Address:1007 MARKET ST

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-523-0372/346-4748

CAGE:9V583

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

Ingred Name:DICHLOROTETRAFLUOROETHANE (SARA III)

CAS:76-14-2

RTECS #:KI1101000

Fraction by Wt: 100%

Othe

r REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:1000 PPM; 9293

Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:TLV: 1,000 PPM, 6,990 MG/M3-8 HR TWA

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:INHALATION OF HIGH CONCENTRATIONS OF VAPOR IS HARMFUL & MAY CAUSE HEART IRREGULARITIES, UNCONSCIOUSNESS OR DEATH. INTENTIONA

L MISUSE OR DELIBERATE INHALATION MAY CAUSE DEATH WITHOUT WARNING. VAPOR RED UCES OXYGEN AVAILABLE FOR BREATHING & IS HEAVIER THAN AIR. LIQUID CONTACT MAY CAUSE FROSTBITE.

Explanation of Carcinogenicity:NONE OF THE COMPONENTS IN THIS MATERIAL IS LISTED BY IARC, NTP, OSHA OR ACGIH AS A CARCINOGEN.

Effects of Overexposure:OVEREXPOSURE BY SKIN OR EYE CONTACT MAY INCLUDE SKIN IRRITATION WITH DISCOMFORT OR RASH; OR EYE IRRITATION WITH DISCOMFORT, TEARING, OR BLURRING OF VISION

. CONTACT WITH LIQUID MAY CAUSE FROSTBITE. OVE REXPOSURE BY INHALATION OF VAPORS MAY CAUSE NAUSEA, HEADACHE, OR WEAKNESS.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PREEEXISTING DISEASE OF THE CENTRAL NERVOUS OR CARDIOVASULAR SYSTEM MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURE.

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

First Aid:INHALE:REMOVE TO FRESH AIR. KEEP PERSON CALM. IF NOT BREATHING, GIVE ARTIFICIAL RES PIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. SKIN:FLUSH WITH WATER. TREAT FOR FROSTBITE IF NEE DED. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. EYE- FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN. CALL A PHYSICIAN. INGESTION-INGESTION IS NOT CONSIDERED A POTENTIAL ROUTE OF EXPOSURE.

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

Flash Point Method:TOC

Flash Point:WILL NOT BURN

Extinguishing Media:AS APPROPATE FOR COMBUSTI

BLES IN AREA.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS IS REQUIRED IF CYLINDERS RUPTURE OR RELEASE CONTENTS UNDER FIRE CONDITIONS. USE WATER SPRAY OR FOG TO COOL CONTAINERS.

Unusual Fire/Explosion Hazard:CYLINDERS ARE EQUIPPED WITH PRESSURE AND TEMPERATURE RELIEF DEVICES BUT STILL MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR.

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

Spill Release Procedures:VENTILATE AREA, ESPECIALLY LOW PLACES WHERE

HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES. USE SELF-CONTAINED BREATHING APPARATUS IN CASE OF LARGE SPILLS. COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS ON REPORTING RELEASES.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:CLEAN, DRY AREA. DO NOT HEAT ABOVE 125F.

Other Precautions:AVOID BREATHING VAPORS AND CONTACT OF LIQUID WITH SKIN OR EYES. USE WITH SUFFICIENT VENTILATION TO KEEP EMPLOYEE EXPOSURE BELOW RECOMMENDED LIMITS.

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

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS, NO RESPIRATORY PROTECTION IS REQUIRED WHEN USING THIS PRODUCT. USE A SELF CONTAINED BREATHING APPARATUS IF A LARGE RELEASE OCCURS.

Ventilation:LOCAL EXHAUST-FOR LARGE AMOUNTS RELEASED.GENERAL MECHANICAL- FOR LOW OR ENCLOSED PLACES.

Protective Gloves:IMPERVIOUS GLOVES FOR LIQUID CONTACT.

Eye Protection:

CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NOTES TO PHYSICIAN: BECAUSE OF POSSIBLE DISTURBANCES OF CARDIAC RHYTHM, CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD BE USED WITH SPECIAL CAUTION IN SITUATIONS OF EMERGENCY LIFE SUPPORT.

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

HCC:G3

Boiling Pt:B.P. Text:39.2F,4.0C

Decomp Temp:De

comp Text:1099F,593C

Vapor Pres:31 PSIA

Vapor Density:6.2

Spec Gravity:1.46

Evaporation Rate & Reference:GREATER THAN 1

Solubility in Water:0.013 WT% AT 25C

Appearance and Odor:LIQUIFIED GAS, CLEAR, COLORLESS, SLIGHT ETHEREAL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

INCOMPATIBLE WITH ALKALI OR ALKALINE EARTH METALS- POWDERED ALUMINUM, ZINC, BERYLLIUM, ETC.

Stability Condition

to Avoid:MATERIAL IS STABLE. HOWEVER, AVOID OPEN FLAMES AND HIGH TEMPERATURES.

Hazardous Decomposition Products:DECOMPOSITION PRODUCTS ARE HAZARDOUS. FORMING HYDROCHLORIC & HYDROFLUORIC ACID, & POSSIBLY CARBONYL HALIDES.

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

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. RECLAIM BY DISTILLATION OR REMOVE TO A LICENSED WASTE DISPOSAL FACILITY.

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