

DU PONT E I DE NEMOURS & CO -- DU000026 F-11 OR CC0119 -- 4940-00-825-0198

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

Product ID:DU000026 F-11 OR CC0119

MSDS Date:07/31/1995

FSC:4940

NIIN:00-825-0198

MSDS Number: CCCCC

=== Responsible Party ===

Company Name:DU PONT E I DE NEMOURS & CO

Address:1007 MARKET ST

City:WILMINGTON

State:DE

ZIP:19899

Country:US

Info Phone Num:800-441-9442

Emergency Phone Num:80

0-424-9300 CHEMTREC

CAGE:89154

=== Contractor Identification ===

Company Name:DU PONT E I DE NEMOURS & CO

Address:1007 MARKET ST

Box:City:WILMINGTON

State:DE

ZIP:19899

Country:US

Phone:800-441-7515

CAGE:89154

Company Name:YOKOGAWA ELECTROFACT BV

Address:3800 AD, RADIUMWEG 30

Box:City:AMERSFOORT THE NETHERLANDS

Phone:404-253-7000

CAGE:60336

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

Ingred Name:TRICHLOROFLUOROMETHANE (CFC-11) (SARA 313) (CERCLA)

CAS:75-69-4

RTECS #:PB

6125000
Fraction by Wt: 100%
Other REC Limits:NONE ESTABLISHED
OSHA PEL:1000 PPM
ACGIH TLV:C 1000 PPM; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 3725
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CONTACT WITH SKIN & EYE IRRITATION.
INHALATION MAY CAUSE TEMPORAR
Y CNS DEPRESSION, TEMPORARY ALTERING
OF HEART'S ELECTRICAL ACTIVITY. INGESTION MAY CAUSE NON-SPECIFIC
DISCOMFORT.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:EYES-DISCOMFORT, TEARING, BLURRING OF VISION.
SKIN-IRRITATION, DISCOMFORT, RASH. INHALED-DIZZINESS, HEADACHE,
CONFUSION, INCOORDINATION, LOSS OF CONSCIOUSNESS, IRREGULAR PULSE,
PALPITATIONS, INADEQUAT E C
IRCULATION. INGESTION-NAUSEA, HEADACHE,
WEAKNESS.
Medical Cond Aggravated by Exposure:PERSONS WITH DISEASE OF THE CENTRAL
NERVOUS SYSTEM OR CARDIOVASCULAR SYSTEM MAY HAVE INCREASED
SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR
15 MINUTES. SKIN-FLUSH WITH WATER FOR 15 MINUTES. INHALED-REMOVE TO
FRESH AIR. ADMINISTER OXYGEN OR A
RTIFICIAL RESPIRATION AS NEEDED.
INGE STED-CONSULT A PHYSICIAN IF NECESSARY.

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

Flash Point Method:TOC
Flash Point:NONFLAMMABLE
Autoignition Temp:Autoignition Temp Text:UNKNON
Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES IN AREA.
Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS IS REQUIRED
IF CONTAINERS RUPTURE AND CONTENTS ARE SPILLED UNDER FIRE
CONDITIONS.
Unusual Fire/Explosion Hazard:DRUMS MAY R

UPTURE UNDER FIRE CONDITIONS.
DECOMPOSITION MAY OCCUR.

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

Spill Release Procedures: VENTILATE AREA. DO NOT FLUSH TO SEWER. DIKE
SPILL. COLLECT ON ABSORBENT MATERIAL & TRANSFER TO STEEL DRUMS FOR
RECOVERY OR DISPOSAL. USE SELF-CONTAINED BREATHING APPARATUS FOR
LARGE SPILLS. COMPLY WITH ALL REGULATORY REPORTING REQUIREMENTS.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE IN CLEAN, DRY, WELL VENTED AREA.
KEEP CONTAINERS CLOSED. PROTECT FROM PHYSICAL DAMAGE. DO NOT STORE
ABOVE 125°F.
Other Precautions: "FREON" 11 CONTAINS VERY LOW LEVELS OF CARBON
TETRACHLORIDE AND CHLOROFORM, CHEMICALS KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER.

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

Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED AIR-SUPPLIED
RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.
Ventilation: USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO
MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves: IMPERVIOUS-RUBBER.
Eye Protection: CHEMICAL SPLASH GOGGLES.
Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER. NONE
SPECIFIED BY MANUFACTURER.
Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health
PRODUCT IS FOUND IN GLASS VIAL CONTAINED IN AN INSTRUMENT; P/N H10 OR
H10G OR H10G01. NOTE TO PHYSICIANS: 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: N1
Boiling Pt: B.P. Text: 75.0°F, 23.9°C
Vapor Pressure: 760.284
Vapor Density

:4.9
Spec Gravity:1.48
pH:7
Evaporation Rate & Reference:>1 (CCL4=1)
Solubility in Water:SLIGHT
Appearance and Odor:COLORLESS LIQUID-SLIGHT ETHEREAL ODOR.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
ALKALI OR ALKALINE EARTH METALS-POWDERED ALUMINUM, ZINC, ETC.
Stability Condition to Avoid:OPEN FLAMES AND HIGH TEMPERATURES
Hazardous Decomposition Products:HYDROCHLORIC AND HYDROFLUORIC
ACID
S,POSSIBLY CARBONYL HALIDES.
Conditions to Avoid Polymerization:POLYMERIZATION WILL NOT OCCUR.

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

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

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