

DUPONT -- SUVA 123;DU002798 -- 6830-01-391-3106

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

Product ID:SUVA 123;DU002798

MSDS Date:10/28/1997

FSC:6830

NIIN:01-391-3106

MSDS Number: BYDGC

=== Responsible Party ===

Company Name:DUPONT

Address:1007 MARKET ST.

City:WILMINGTON

State:DE

ZIP:19898

Country:US

Info Phone Num:800-441-9442

Emergency Phone Num:800-441-3637

Resp. Party Other MSDS Num.:2191FR

Chemtec

Ind/Phone:(800)424-9300

CAGE:EO596

==== Contractor Identification ====

Company Name:DU PONT FLUOROPRODUCTS

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:1-800-441-7515

Contract Num:SP0450-99-M-JS93

CAGE:2S827

Company Name:DUPONT

Address:1007 MARKET STREET

City:WILMINGTON

State:DE

ZIP:19898-5000

Country:US

Phone:PROD 800-441-7515 MED: 8004413637

CAGE:EO596

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

Ingred Name:2,2-DICHLORO-1,1,1-TRIFL

UOROETHANE (SARA 313)

CAS:306-83-2

RTECS #:K11108000

= Wt:100.

Other REC Limits:30PPM/8 & 12 HR(TWA)

Ozone Depleting Chemical:2

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 9000 MG/KG

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 LIVER DAMAGE AND TEMPORARY NERVOUS SYS

TEM DEPRESSION. INTENTIONAL MISUSE OR DELIBERATE INHALATION MAY CAUSE DEATH WITHOUT WARNING. VAP OR REDUCES OXYGEN AVAILABLE FOR BREATHING & IS HEAVIER THAN AIR. PRODUCT PRODUCES MILD EYE IRRITATION. EYE CONTACT MAY CAUSE IRRITATION.

Explanation of Carcinogenicity:NONE OF THE COMPONENTS PRESENT IN THIS MATERIAL AT CONCENTRATIONS EQUAL TO OR GREATER THAN 0.1% ARE LISTED BY IARC, NTP, OSHA OR ACGIH AS A CARCINOGEN.

Effects of Overexposure:EYES: TEARING, BLURRED VISION.
INH

ALATION:ANESTHETIC EFFECT(DIZZINESS, HEADACHE, CONFUSION, INCOORDINATION, LOSS OF CONSCIOUSNESS). HIGHER EXPOSURES CAUSE ALTERATION OF THE HEART'S ELECTRICAL ACTIVITY (IRREGULAR PULSE, PALPITATION, INADEQUATE CIRCULATION).

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING LIVER, CENTRAL NERVIOSUS SYSTEM OR CARDIOVASCULAR SYSTEM AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN: REM

OVE CONTAMINATED CLOTHING; WASH WITH WATER. IF IRRITATION OCCURS, CALL PHYSICIAN. EYES: FLUSH WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFI CIAL RESPIRATION IF NEEDED. IF BREATHING IS DIFFICULT, CALL PHYSICIAN. INGESTION: POSES AN ASPIRATION HAZARD. DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE 2 GLASSES WATER IMMEDIATELY. CALL A PHYSICIAN.

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

Flash Point:NO

NE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING MATERIAL.

Fire Fighting Procedures:COOL TANK/CONTAINER WITH WATER SPRAY.

SELF-CONTAINED BREATHING APPARATUS (SCBA) IS REQUIRED IF DRUMS RUPTURE AND CONTENTS ARE SPILLED UNDER FIRE CONDITIONS. WATER RUN-OFF SHOULD BE CONTAINED AND NEUTRALIZED PRIOR TO RELEASE.

Unusual Fire/Explosion Hazard:DRUMS MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR.

===== Accidental Release Measures =====
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Spill Release Procedures:USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT. VENTILATE AREA. DIKE SPILL. PREVENT MATERIAL FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS. COLLECT ON ABSORBENT MATERIAL & TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL. COMPLY WITH FEDERAL, STATE & LOCAL REGULATIONS FOR REPORTING RELEASES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:S

TORE IN A CLEAN, DRY PLACE. DO NOT

HEAT ABOVE 52C/126F. DO NOT ALLOW PRODUCT TO CONTACT OPEN FLAME OR ELECTRICAL HEATING ELEMENTS BECAUSE DANGEROUS DECOMPOSITION PRODUCTS FORM.PROVIDE ADEQUATE VENTILATION FOR STORAGE, HANDLING AND USE; ESPECIALLY FOR ENCLOSED OR LOW SPACES.

Other Precautions:AVOID SKIN AND EYE CONTACT. AVOID BREATHING HIGH CONCENTRATIONS OF VAPOR.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN

ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS, DEPENDING ON THE AIRBORNE CONCENTRATION.

Ventilation:LOCAL VENTILATION AT THE WORKSITE; MECHANICAL(GENERAL)

VENTILATION TO MAINTAIN TLV/PEL. VAPORS ACCUMULATE IN LOW AREAS.

Protective Gloves:WEAR AS APPROPRIATE IMPERVIOUS GLOVES.

Eye Protection:WEAR SAFETY GLASSES OR COVERALL CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:APRON,

PANTS AND JACKET.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NOTE TO PHYSICIANS: THIS MATERIAL MAY MAKE THE HEART MORE SUSCEPTIBLE TO ARRHYTHMIAS. CATECHOLAMINES SUCH AS ADRENILINE, AND OTHER COMPOUNDS HAVING SIMILAR EFFECTS, SHOULD BE RESERVED FOR EMERGENCIES AND THEN ONLY USED WITH SPECIAL CAUTION.

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

HCC:N1

Boiling Pt:=27.2C, 81.F

Vapor Pres:13 PSIA @ 77F

Vapor Density

:5.3

pH:NEUTRAL

Evaporation Rate & Reference:2000 MG/KG. ORAL, ALD,

RAT: 9000 MG/KG. INHALATION 4 HOUR, LC50, RAT: 32,000 PPM. ANIMAL TESTING INDICATES THAT HCFC-123 IS NOT A SKIN IRRITANT OR SKIN SENSITIZER, BUT IS A MILD TO MODERATE EYE IRRITANT. TOXIC EFFECTS AT CONCENTRATIONS OF 5000 PPM OR GREATER ARE: EFFECTS ON UNCONDITIONED REFLEXES, LOCOMOTOR ACTIVITY & COORDINATION, ANESTHETIC EFFECTS. ANIMAL DATA INDICATE THAT HCFC-123 DOES NOT AFFECT REPRODUCTIVE PERFORMANCE IN RATS OR HARM UNBORN ANIMALS.

===== Ecological Information =====

Ecological:AQUATIC TOXICITY: SLIGHTLY TOXIC. 96 HOUR LC50 - FATHEAD MINNOWS: >77 MG/L.

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

Waste Disposal Methods:RECOVER BY DISTILLATION OR REMOVE TO A PERMITTED WASTE DISPOSAL FACILITY. TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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===== MSDS Transport Information =====

Transport Information:NOT REGULATED AS A HAZARDOUS MATERIAL BY DOT OR IMO. SHIPPING CONTAINERS: TANK CARS, TANK TRUCKS, PAILS, DRUMS.

===== Regulatory Information =====

SARA Title III Information:SECTIONS 311/312: ACUTE: YES; CHRONIC: YES; FIRE: NO; REACTIVITY:NO; PRESSURE: NO. SARA EXTREMELY HAZARDOUS SUBSTANCE: NO; SARA TOXIC CHEMICAL: SEE INGREDIENTS LISTING.

Federal Regulatory Inf

ormation:CERCLA HAZARDOUS SUBSTANCE: NO.TSCA
INVENTORY STATUS: REPORTED/INCLUDED.
State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

===== Other Information =====

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