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## DU PONT E I NEMOURS & CO CHEMICALS & PIGMENTS DEPT -- "SUVA" MP39 (R401A)

6830-01-391-9298

Product ID: "SUVA" MP39 (R401A)

MSDS Date:03/23/1999

FSC:6830

NIIN:01-391-9298 Status Code:A

MSDS Number: CJNRX === Responsible Party ===

Company Name: DU PONT E I NEMOURS & CO CHEMICALS & PIGMENTS DEPT

Address:1007 MARKET ST

City:WILMINGTON

State:DE ZIP:19898 Country:US

Info Phone Num:800-441-7515

Emergency Phone Num:800-441-3637 Resp. Party Other MSDS Num.:DU004507 Chemtrec Ind/Phone:(800)424-9300

CAGE:23037

=== Contractor Identification ===

Company Name: DU PONT E I NEMOURS & CO CHEMICALS & PIGMENTS DEPT

Address:1007 MARKET ST Box:City:WILMINGTON

State:DE ZIP:19898 Country:US

Phone:800-441-7515

CAGE:23037

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:SP0450-99C-5448 CAGE:2S827

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

Ingred Name: METHANE, CHLORODIFLUORO- (HCFC-22)

CAS:75-45-6

RTECS #:PA6390000

= Wt:53.

Other REC Limits: NONE RECOMMENDED

ACGIH TLV:3540 MG/M3;1000 PPM

Ozone Depleting Chemical:2

Ingred Name: ETHANE, 1,1-DIFLUORO- (HFC-152A)

CAS:75-37-6

RTECS #:KI1410000

= Wt:13.

Other REC Limits: AEL/WEEL 1000 PPM

Ingred Name:ETHANE, 2-CHLORO-1,1,1,2-TETRAFLUORO (HCFC-124)

CAS:2837-89-0

= Wt:34.

Other REC Limits: AEL/WEEL 1000

PPM

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

LD50 LC50 Mixture:UNTESTED.

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

Health Hazards Acute and Chronic:TARGET ORGANS: RESPIRATORY SYSTEM,
CNS, CVS, LIVER, KIDNEYS, SPLEEN (HMIS). SKIN CONTACT MAY CAUSE
FROSTBITE FROM EXPOSURE TO LIQUID. INHALATION MAY INCLUDE
NONSPECIFIC DISCOMFORT, SUCH AS NAUSEA, HEA DACHE, OR WEAKNESS; OR
TEMPORARY NERVOUSSYSTEM DEPRESSION WITH ANESTHETIC EFFECTS SUCH AS

DIZZINESS, CONFUSION, INCOORDINATION, UNCONSCIOUSNESS. HIGHER EXPOSURES MAY LEAD TO COUGH, DIFFICULTY BREATHIN G, OR SHORTNESS OF BREATH; IRREGULAR PULSE, PALPITATIONS, OR INADEQUATE CIRCULATION; ABNORMAL KIDNEY FUNCTION AS DETECTED BY LABORATORY TESTS; OR FATALITY FROM GROSS OVEREXPOSURE.

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

Effects o

f Overexposure:INHALATION OF HIGH CONCENTRATIONS OF VAPOR IS HARMFUL AND MAY CAUSE HEART IRREGULARITIES, LOSS OF CONSCIOUSNESS, OR DEATH. SKIN CONTACT MAY CAUSE FROSTBITE. INHALATION MAY CAUSE NAUSEA, HEADACHE, WEAK NESS, DIZZINESS, CONFUSION, INCOORDINATION, COUGH, DIFFICULTY BREATHING, OR SHORTNESS OF BREATH; IRREGULAR PULSE, PALPITATIONS, OR INADEQUATE CIRCULATION.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PREEXISTING DISEASES OF THE CENTRAL NERVOUS SYSTEM,

CARDIOVASCULAR SYSTEM.

LUNGS OR KIDNEYS MAY HAVE INCREASED SUSCEPTIVITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

First Aid:INHALATION: IF HIGH CONCENTRATIONS ARE INHALED, IMMEDIATELY REMOVE TO FRESH AIR. KEEP PERSON CALM. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICI AN. SKIN CONTACT: FLUSH SKIN WITH WATERFOR AT LEAST 15 MINUTES AFTER EXCESSIVE CON

TACT. SEEK MEDICAL ASSISTANCE IF

IRRITATION IS PRESENT. TREAT FOR FROSTBITE IF NECESSARY BY GENTLY WARMING AFFECTED AR EA. WASH CONTAMINATED CLOTHING BEFORE REUSE. EYE CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: INGESTION IS NOT CONSIDE RED A POTENTIAL ROUTE OF EXPOSURE.

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

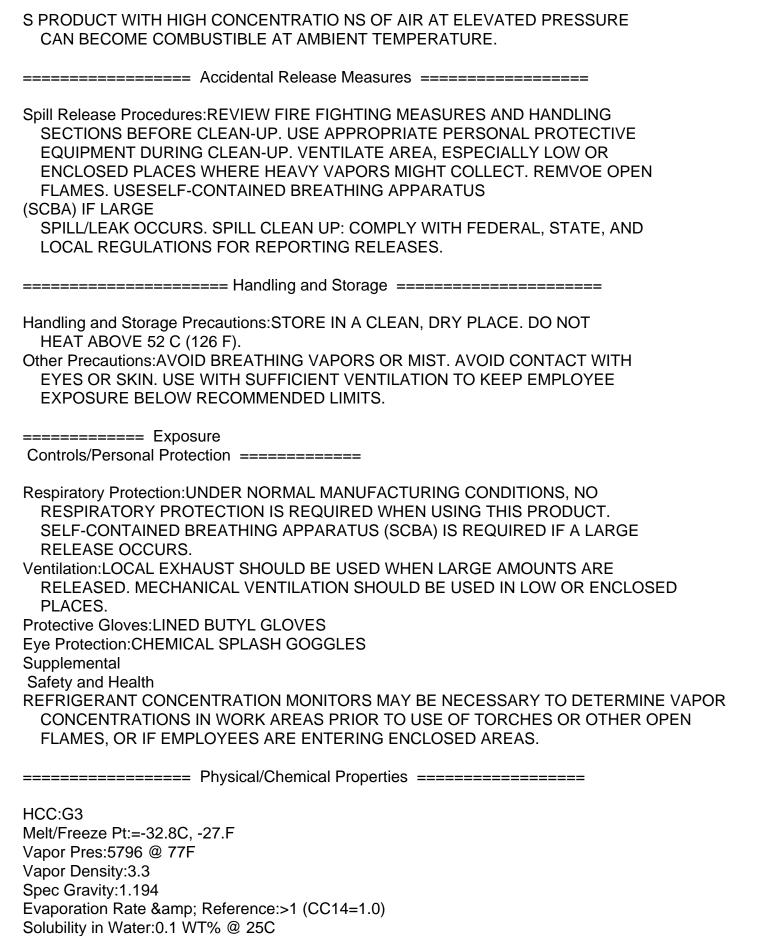
Flash Point:WILL NOT BURN Autoignition Temp:>681.1C, 1 258.F

Lower Limits:NA Upper Limits:NA

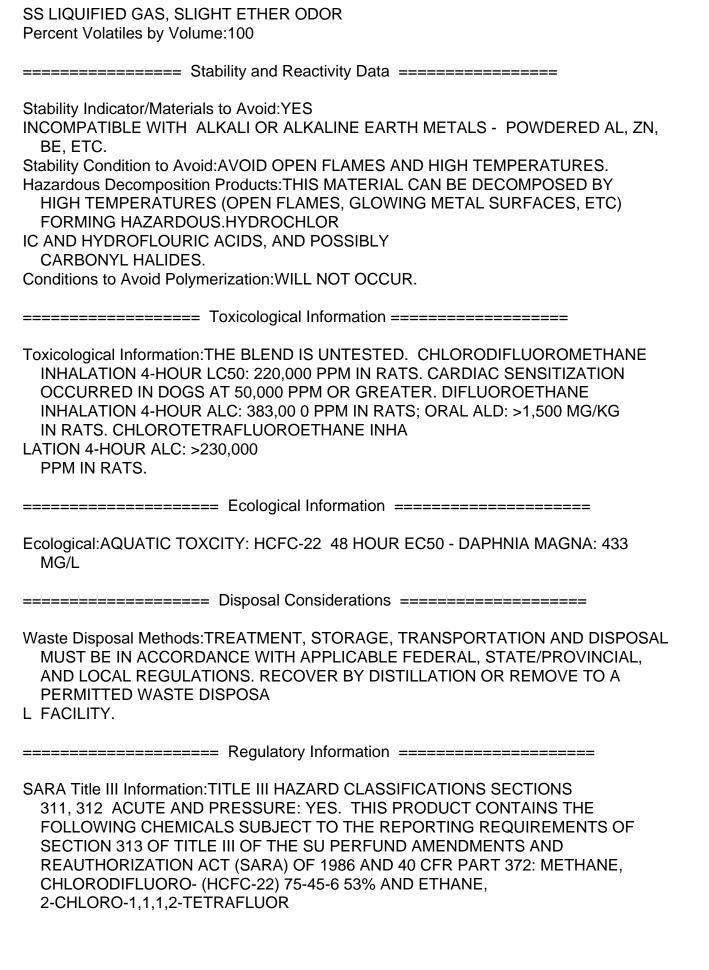
Extinguishing Media: USE MEDIA APPROPRIATE FOR SURROUNDING MATERIAL.

Fire Fighting Procedures: COOL TANK/CONTAINER WITH WATER SPRAY.
SELF-CONTAINED BREATHING APPARATUS (SCBA) MAY BE REQUIRED IF
CYLINDERS RUPTURE OR RELEASE UNDER FIRE CONDITIONS.

Unusual Fire/Explosion Hazard: CYLINDERS MAY RUPTURE UNDER FIRE CONDITIONS. DECOMPOSITION MAY OCCUR. THIS PRODUCT IS NOT FLAMMABLE AT TEMPERATURES UP TO 100 DEG C (212 DEG F). HOWEVER, MIXTURE OF THI



Appearance and Odor: CLEAR, COLORLE



O (HCFC-124) 2837-89-0 34%. Federal Regulatory Information:TSCA INVENTORY STATUS: REPORTED/INCLUDED.

State Regulatory Information:

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

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