

DU PONT E I DE NEMOURS & CO INC IMAGING SYS DEPT -- SUVA 134 A -- 6830-01-390-9622
===== Product Identification =====

Product ID:SUVA 134 A

MSDS Date:04/12/1996

FSC:6830

NIIN:01-390-9622

MSDS Number: BYTDF

=== Responsible Party ===

Company Name:DU PONT E I DE NEMOURS & CO INC IMAGING SYS DEPT

Address:BARLEY MILL PLZ 22-1356

Box:80022

City:WILMINGTON

State:DE

ZIP:19880-0022

Country:US

Info Phone N

um:302-992-2012

Emergency Phone Num:302-992-2012

CAGE:82348

=== Contractor Identification ===

Company Name:CONTRACTED OPERATIONS LOUISVILLE PACKAGING

Address:7753 NATIONAL TURNPIKE

Box:UNKNOW

City:LOUISVILLE

State:KY

ZIP:40214

Country:US

Phone:502-363-8000/2663

CAGE:089V0

Company Name:DU PONT E I DE NEMOURS & CO INC IMAGING SYS DEPT

Address:BARLEY MILL PLZ 22-1356

Box:80022

City:WILMINGTON

State:DE

ZIP:19880-0022

Country:US

Phone:302-992-2012

CAGE:82348

Company Name:DU PONT FLUOROPRODUCTS

Address

s:1007 MARKET STREET
Box:City:WILMINGTON
State:DE
ZIP:19898
Country:US
Phone:1-800-441-7515
CAGE:2S827
Company Name:E.I. DUPONT DE NEMOURS & CO
Address:1007 MARKET STREET
Box:City:WILMINGTON
State:DE
ZIP:19898
Country:US
Phone:800-441-7515;800-441-9442
CAGE:18873

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Composition/Information on Ingredients
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Ingred Name:1,1,1,2-TETRAFLUOROETHANE (HFC-134A)
CAS:811-97-2
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY
TRACT, HEART. ACUTE- OVEREXPOSURE BY INHALATION TO VERY HIGH
CONCENTRATIONS MAY CAUSE HEART IRREGULARITIES, UNCONSCIOUSNESS OR
DEATH. LIQUID CONTACT/ESCAPING VAPOR S CAN CAUSE EYE AND SKIN
FROSTBITE. INGESTION IS NOT CONSIDERED A POTE
NTIAL ROUTE OF
EXPOSURE. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:FROSTBITE, ASPHYXIATION, IRRITATION, HEART
IRREGULARITIES, UNCONSCIOUSNESS, DEATH
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF THE CENTRAL NERVOUS SYSTEM OR CARDIOVASCULAR SYSTEM MAY
HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE
EXPOSURES.

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First Aid Measures
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First Aid:EYE:FLUSH

WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN:FLUSH WITH WATER FOR 15 MINUTES. TREAT FOR FROSTBITE BY SLOWLY WARMING UP THE EXPOSED AREA. CALL PHYSICIAN . INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. CALL A PHYSICIAN. ORAL:INGESTION IS NOT CONSIDERED A POTENTIAL ROUTE OF EXPOSURE.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:>1369F

Extingu

ishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CYLINDERS MAY RUPTURE. DECOMPOSITION MAY OCCUR FORMING TOXIC GASES. COMBUSTIBLE AT PRESSURE AS LOW AS 5.5 PSIG AT 351F (177C) WHEN MIXED WITH A IR >60%.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA ESPECIALLY LOW OR ENCLOSED PLACES WHERE HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN FLAMES.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, VENTILATED, DRY AREA AWAY FROM FLAMES AND INCOMPATIBLE MATERIALS. AVOID TEMPERATURES ABOVE 125 F (52

C).

Other Precautions:AVOID BREATHING VAPORS. AVOID EYE OR SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING OR DRINKING. USE WITH ADEQUATE VENTILATION. DO NOT MIX WITH AIR FOR LEAK TESTING ABOVE ATMOSPHERIC PRESSURE. K KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NOT NORMALLY REQUIRED. WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE OR SUPPLIED-AIR RESPI

RATOR IF A LARGE RELEASE OCCURS.

Ventilation:NORMAL VENTILATION. LOCAL EXHAUST NEEDED WHEN LARGE AMOUNTS ARE RELEASED.

Protective Gloves:LINED BUTYL WHEN HANDLING LIQUID

Eye Protection:CHEMICAL SPLASH GOGGLES WHEN HANDLE LIQ.

Other Protective Equipment:EYEBATH, SAFETY SHOWER, PROTECTIVE CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

NOTE TO PHYSICIAN: BECAUSE OF POSSIBLE DISTURBANCES OF CARDIAC RHYTHM,

CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD ONLY BE USED WITH SPECIAL CAUTION IN SITUATIONS OF EMERGENCY LIFE SUPPORT.

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

HCC:G3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:-16F,-27C

Vapor Pres:4963 @ 77F

Vapor Density:3.6

Spec Gravity:1.21 (LIQUID)

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:0.15% @ 77F&14.7PSIA

Appearance and Odor:COLORLESS LIQUEFIED GAS - FAINT

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, BERYLLIUM (BE)

Stability Condition to Avoid:OPEN FLAME, HIGH TEMPERATURES, GLOWING METAL SURFACES

Hazardous Decomposition Products:MAY FORM HYDROGEN FLUORIDE AND POSSIBLY CARBONYL FLUORIDE.

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

Waste Dispo

sal Methods:CONTAMINATED SUVA COLD-MP CAN BE RECOVERED BY
DISTILLATION OR REMOVED TO A PERMITTED WASTE DISPOSAL FACILITY.
COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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