

SUVA-134A

MSDS Number

BVHNC

National Stock Number

6830-01-370-6209

Product Name

SUVA-134A

Manufacturer

E I DU PONT DE NEMOURS AND CO

Product Identification

Product ID:SUVA-134A
MSDS Date:06/30/1993
FSC:6830
NIIN:01-370-6209
MSDS Number: BVHNC

Responsible Party

E.I.DU PONT, DE NEMOURS & CO.
1007 MARKET ST
WILMINGTON , DE 19898
US
Emergency Phone: 800-424-9300 CHEMTREC/800-441-3637

Info Phone: 800-441-9442

Cage: NO529

Contractor

E.I.DU PONT, DE NEMOURS & CO.
WILMINGTON, DE 19898
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Ingredients

ETHANE, 1,1,1,2-TETRAFLUORO
CAS: 811-97-2
Fraction By Weight: 100%

Hazards

LD50 LC50 Mixture:INHALATION-RAT-4/HR LC50=567000 PPM
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:OVEREXPOSURE BY INHALATION TO VERY HIGH CONCENTRATIONS MAY CAUSE TEMPORARY ALTERATION OF THE HEART'S ELECTRICAL ACTIVITY WITH IRREGULAR PULSE, PALPITATIONS, OR INADEQUATE CIRCULATION. INTENTIONAL MISUSE OR DELIBERATE INHALATION MAY CAUSE DEATH WITH OUT WARNING. SKIN CONTACT WITH THE LIQUID MAY CAUSE FROSTBITE.
Explanation of Carcinogenicity:MANUFACTURER STATES THAT NONE OF THE COMPONENTS IN THIS MATERIAL IS LISTED AS CARCINOGENIC
Effects of Overexposure:INHALED-NAUSEA, HEADACHE, WEAKNESS, DIZZINESS, CONFUSION, INCOORDINATION, LOSS OF CONSCIOUSNESS, COUGH, DISCOMFORT, SHORTNESS OF BREATH, IRREGULAR PULSE, HEART

PALPITATIONS. FROSTBITE: WHITE TO RED SK IN, PAIN, BLISTERS.
Medical Cond Aggravated by Exposure:CENTRAL NERVOUS SYSTEM DISEASES,
CARDIOVASCULAR SYSTEM DISEASES.

First Aid

First Aid:INHALATION: IMMEDIATELY REMOVE TO FRESH AIR. IF BREATHING IS
DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN. SKIN CONTACT: FLUSH WITH
WATER. TREAT FOR FROSTBITE IF NECESSARY. EYE CONTACT: IMMEDIATELY
FLUSH EYES WITH PLENTY OF WATER. CALL A PHYSICIAN. INGESTION: NOT
CONSIDERED AS A POTENTIAL ROUTE OF EXPOSURE. NOTE TO DOCTOR: USE
SPECIAL CAUTION WITH CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE.

Fire Fighting

Flash Point Method:TOC
Flash Point:WILL NOT BURN
Autoignition Temp:Autoignition Temp Text:1382F
Extinguishing Media:AS APPROPRIATE FOR COMBUSTIBLES IN AREA.
Fire Fighting Procedures:USE WATER SPRAY TO COOL CONTAINERS.
SELF-CONTAINED BREATHING APPARATUS (SCBA) IS REQUIRED IF CYLINDERS
RUPTURE OR RELEASE UNDER FIRE CONDITIONS.
Unusual Fire/Explosion Hazard:SUVA COLD-MP IS NOT FLAMMABLE AT AMBIENT
TEMPERATURES AND PRESSURES. HOWEVER, IT CAN BE COMBUSTIBLE AT VERY
HIGH CONCENTRATIONS (>60%/VOLUME) AND >177F.

Accidental Release

Spill Release Procedures:REVIEW FIRE AND EXPLOSION HAZARDS & SAFETY
PRECAUTIONS BEFORE CLEANING-UP. VENTILATE AREA, ESPECIALLY LOW OR
ENCLOSED PLACES WHERE HEAVY VAPORS MIGHT COLLECT. REMOVE OPEN
FLAMES. USE SELF-CONTAINED BREATHING APPARATUS IF LARGE SPILL OR
LEAK OCCURS.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE AWAY FROM
INCOMPATIBLE MATERIALS. DO NOT HEAT ABOVE 125F (52C).
Other Precautions:AVOID BREATHING VAPORS. AVOID CONTACT WITH SKIN WITH
LIQUID OR COLD VAPORS. USE WITH SUFFICIENT VENTILATION TO KEEP
EMPLOYEE EXPOSURE BELOW RECOMMENDED LIMITS. DO NOT MIX WITH AIR OR
USE WITH AIR ABOVE ATMOSPHERIC PRESSURE.

Exposure Controls

Respiratory Protection:UNDER NORMAL MANUFACTURING CONDITIONS, NO
RESPIRATORY PROTECTION IS NORMALLY REQUIRED. UNDER EMERGENCY
CONDITIONS; USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING
APPARATUS. USE IAW 29 CFR 1910.134 AND MANUFACTURER'S
RECOMMENDATIONS.
Ventilation:NORMAL VENTILATION FOR STANDARD MANUFACTURING PROCEDURES IS
GENERALLY ADEQUATE. LOCAL EXHAUST USED FOR LARGE RELEASES.
Protective Gloves:IMPERVIOUS
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health
DENSITY=1.21 G/CC AT 25 C (77F)[LIQUID]. CONTACT WITH CHLORINE OR OTHER
STRONG OXIDIZING AGENTS SHOULD ALSO BE AVOIDED.

Chemical Properties

HCC:G3
Boiling Pt:B.P. Text:-15F,-26C
Vapor Pres:4963 MM HG
Vapor Density:3.6
Solubility in Water:SLIGHT
Appearance and Odor:CLEAR, COLORLESS GAS; SLIGHT ETHEREAL ODOR
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid: YES
ALKALI OR ALKALINE EARTH METALS-POWDERED AL, ZN, BE, ETC.
Stability Condition to Avoid: AVOID OPEN FLAMES AND HIGH TEMPERATURES;
INCOMPATIBLE MATERIALS.
Hazardous Decomposition Products: HYDROFLUORIC ACID, POSSIBLY CARBONYL
FLUORIDE.

Disposal

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

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