

SCOTT SPECIALTY GASES -- TRICHLOROTRIFLUOROETHANE -- 6850-00-935-1082

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Product Identification
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Product ID:TRICHLOROTRIFLUOROETHANE

MSDS Date:01/01/1987

FSC:6850

NIIN:00-935-1082

MSDS Number: BNRGL

=== Responsible Party ===

Company Name:SCOTT SPECIALTY GASES

Address:ROUTE 611 NORTH

Box:D-11

City:PLUMSTEADVILLE

State:PA

ZIP:18949

Country:US

Info Phone Num:215-766-8861

Emergency Phone Num:

215-766-8861, 908-754-7700

CAGE:51847

=== Contractor Identification ===

Company Name:SCOTT SPECIALTY GASES

Address:6141 EASTON RD (6141 ROUTE 611)

Box:310

City:PLUMSTEADVILLE

State:PA

ZIP:18934

Country:US

Phone:215-766-8861/ FAX: 215-766-0416

CAGE:51847

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Composition/Information on Ingredients
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Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA
III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PP

M/1250STEL
ACGIH TLV:1000PPM/1250STEL9192
Ozone Depleting Chemical:1

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Hazards Identification
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LD50 LC50 Mixture:LD 50 ORAL RAT 43000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:AN ANESTHETIC; INHALATION CAN PRODUCE ASPHYXIATION. HIGH CONCENTRATIONS INTERFERE WITH PSYCHOMOTOR FUNCTIONS, EXPRESSED AS EXCITEMENT AND INCOORDINATION. AT HIGHER CONCENTRATIONS, CARDIAC ARRHYTHMIAS IS POSSIBLE
Explanation of Carcinogenicity:FREON 113 IS NOT LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.
Effects of Overexposure:SUPPLIER DID NOT ADDRESS THIS FIELD. SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:SUPPLIER DID NOT ADDRESS THIS FIELD.

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First Aid Measures
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First Aid:INHALATION: REMOVE VICTIM TO FRESH AIR, RESTORE AND/OR SUPPORT BREATHING IF NECESSARY. EYE: FLUSH WITH WATER FOR AT LEAST 15 MIN. SKIN: WASH IMMEDIATELY WATER. REMOVE CONTAMINATED CLOTHING. INGESTED: GET MEDICAL ATTENTION IMMEDIATELY.

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Fire Fighting Measures
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Flash Point:NON-FLAMMABLE
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS FOR PROTECTION AGAINST VAPORS.
Unusual Fire/Explosion Hazard:T
OXIC AND CORROSIVE VAPORS MAY BE PRODUCED IN A FIRE SITUATUATION.

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Accidental Release Measures
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Spill Release Procedures:VENTILATE AND EVACUATE AREA. WEAR SELF CONTAINED RESPIRATOR.RESIDUES OR SMALL SPILLS MAY BE COLLECTED ON ABSORBENT MATERIAL. TRANSFER TO COVERED METAL DRUMS FOR RECOVERY OR DISPOSAL. CONFINE SPILLS AN D DO NOT ALLOW FUNOFF TO SEWER.
Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:STORE IN CLOSED CONTAINERS IN A COOL, WELL- VENTILATED AREA. KEEP VAPORS AWAY FROM FLAMES, AREC WELDING, HIGH TEMPERATURE SURFACES, ETC.

Other Precautions:PROTCT CONTAINERS FROM PHYSICAL DAMAGE.

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

Respiratory Protection:APPROVED RESPIRATOR EQUIPMENT SHOULD BE AVAILABLE FOR NON ROUTINE AND EMERGENCY USE. SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN EMERGENCIES.

Ventilat

ion:PROVIDE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE BELOW TLV, ESPECIALLY SUMPS AND LOW AREAS.

Protective Gloves:PROTECTIVE

Eye Protection:GOGGLES

Other Protective Equipment:WEAR PROTECTIVE GLOVES,GOGGLES AND CLOTHING WHEN LIQUID CONTACT IS POSSIBLE. PROVIDE EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:SUPPLIER DID NOT ADDRESS THIS FIELD.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). NAVY IDENTIFIED NSN.

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

HCC:T6

Boiling Pt:B.P. Text:118F,48C

Decomp Temp:Decomp Text:482F,250C

Vapor Pres:285 MM

Vapor Density:6

Spec Gravity:1.57

Evaporation Rate & Reference:0.45 ACETONE = 1)

Solubility in Water:0.028%

Appearance and Odor:COLORLESS LIQUID, SWEET ETHER-LIKE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

REACTS VIOLENTLY WITH ACTIVE METALS

SUCH AS ALKALI OR ALKALINE EARTH
METALS-POWDERED AL,ZN,BE,ETC.

Stability Condition to Avoid:SUPPLIER DID NOT ADDRESS THIS FIELD.

Hazardous Decomposition Products:DECOMPOSED BY HIGH TEMPERATURES
FORMING HALOGENALIDS, HALOGENS, AND CARBONYL HALIDES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:WHEN FEASIBLE, WASTE SOLVENT SHOULD BE RECOVERED
BY FILTRATION OR DISTILLATION. DISPOSAL THROUGH
A LICENSED WASTE
DISPOSAL COMPANY SHOULD ALSO BE CONSIDERED.

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