**Chemical Name:** Freon T-P35 Solvent

**Manufacturer:** Miller-Stephenson

**Container Sizes:** 16 oz.

**Location:** VLA

**Disposal:** Place empty container in trash. Give partial or full container to safety officer.
MILLER-STEPHENSON CHEMICAL CO INC -- MS-160 FREON T-P 35 SOLVENT -- 6850-00-405-9386

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

Product ID: MS-160 FREON T-P 35 SOLVENT
MSDS Date: 01/01/1990
FSC: 6850
NIIN: 00-405-9386
MSDS Number: BDXWH

=== Responsible Party ===
Company Name: MILLER-STEPHENSON CHEMICAL CO INC
Address: GOERGE WASHINGTON HIGHWAY
Box: 950
City: DANBURY
State: CT
ZIP: 06810
Country: US
Info Phone Num: 203-743-4447
Emergency Phone Num: 203-797-2212
Preparer's Name: JANET STEPHENS
CAGE: 18598

=== Contractor Identification ===
Company Name: MILLER-STEPHENSON CHEMICAL CO INC
Address: 55 BACKUS AVE/GEORGE WASHINGTON HWY
Box: 950
City: DANBURY
State: CT
ZIP: 06810
Country: US
Phone: 203-743-4447
CAGE: 18598

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

Ingred Name: 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)
CAS: 76-13-1
RTECS #: KJ4000000
Fraction by Wt: 52.0%
Other REC Limits: NONE SPECIFIED
OSHA PEL: 1000 PPM; 1250 STEL
ACGIH TLV: 1000 PPM; 1250 STEL 9293
Ozone Depleting Chemical: 1

Ingred Name: DICHLORODIFLUOROMETHANE (SARA III)
CAS: 75-71-8
RTECS #: PA8200000
Fraction by Wt: 20.0%
Other REC Limits: NONE SPECIFIED
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM; 9293
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS
Ozone Depleting Chemical: 1

Ingred Name: ISOPROPYL ALCOHOL (SARA III)
CAS: 67-63-0
RTECS #: NT8050000
Fraction by Wt: 28.0%
Other REC Limits: NONE SPECIFIED
OSHA PEL: 400 PPM/500 STEL
ACGIH TLV: 400 PPM/500 STEL; 9293

Ingred Name: NITROMETHANE
CAS: 75-52-5
RTECS #: PA9800000
Fraction by Wt: 0.3%
Other REC Limits: NONE SPECIFIED
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM; 9293

--- Hazards Identification ---

LD50 LC50 Mixture: LD 50 RATS 52000 PPM/4 HRS (FREON 113)
Routes of Entry: Inhalation: YES Skin: NO Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: INHALATION- ASPHYXIATION, CNS EFFECTS.
Eyes- LIQUID MAY CAUSE IRRITATION. INGESTION- LOW TOXICITY.
CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN DEFATTING OR IRRITATION.
Explanation of Carcinogenicity: NO INGREDIENTS OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure: INHALED: LIGHTHEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS. EYES: REDNESS, PAIN, BLURRED VISION, DISCOMFORT. INGESTED: NONE GIVEN. SKIN: REDNESS, DISCOMFORT.
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

--- First Aid Measures ---

First Aid: INHALATION: MOVE PATIENT TO FRESH AIR. IF NECESSARY, GIVE ARTIFICIAL RESPIRATION OR OXYGEN. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. CONTACT WITH EYES: FLUSH WITH WATER. SKIN: FLUSH WITH WATER. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. INGESTED: DO NOT INDUCE VOMITING! CALL DOCTOR FOR ADVICE.

--- Fire Fighting Measures ---

Flash Point Method: TOC
Flash Point: NONE
Lower Limits: 2.5
Upper Limits: 5.2
Extinguishing Media: MEDIA APPROPRIATE FOR SURROUNDING FIRE. ADDITION OF EXCESS WATER WILL EXTRACT ISOPROPANOL, FORMS FLAMMABLE LAYER.
Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.
Unusual Fire/Explosion Hazard: CONTAINERS MAY VENT, RUPTURE, OR BURST AT ELEVATED TEMPERATURES. HIGH HEAT CAUSES EMISSION OF HALOGENS.

--- Accidental Release Measures ---

Spill Release Procedures: VENTILATE AREA. WIPE UP SPILL OR ALLOW TO
EVAPORATE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED PLACE UNDER 120F; AWAY FROM INCOMPATIBLE MATERIALS. PROTECT FROM PHYSICAL DAMAGE.
Other Precautions:DO NOT PUNCTURE OR DAMAGE CONTAINERS. ROTATE STOCK TO SHELF LIFE OF 1 YEAR.

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-Routine USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.
Ventilation:USE ADEQUATE MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.
Protective Gloves:Butyl To Prevent Prolonged Contact
Eye Protection:Safety Goggles
Other Protective Equipment:FULL WORK CLOTHING TO PREVENT REPEATED OR PROLONGED CONTACT.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES
FINELY DIVIDED REACTIVE METALS, ALKALI, ALKALI EARTH METALS.
Stability Condition to Avoid:Avoid Spraying Near Open Flames Or Hot Coils;Do Not Heat >120F. Contact With Alkali Or Alkali Earth Metals.
Hazardous Decomposition Products:HALOGEN ACIDS,PHOSGENE IN SMALLER AMOUNTS.

Disposal Considerations

Waste Disposal Methods:DO NOT PUNCTURE OR INCINERATE AEROSOL CANS.DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
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