

MILLER-STEPHENSON CHEMICAL CO INC -- MS-200 MAGNETIC TAPE HEAD CLEANER --
6850-00-105-3084

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

Product ID:MS-200 MAGNETIC TAPE HEAD CLEANER

MSDS Date:01/01/1986

FSC:6850

NIIN:00-105-3084

MSDS Number: BCYTL

=== Responsible Party ===

Company Name:MILLER-STEPHENSON CHEMICAL CO INC

Address:GEORGE WASHINGTON HWY

Box:950

City:DANBURY

State:CT

ZIP:06810

Country:US

Info Phone Num:203-743-4447

Emergency Phone Num:800-424-9300CHEMTREC(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: 80%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:

1000PPM/1250STEL
ACGIH TLV:1000PPM/1250STEL9293
Ozone Depleting Chemical:1

Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)
CAS:75-71-8
RTECS #:PA8200000
Fraction by Wt: 20%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 43000 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Repor
ts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF VERY LARGE
AMOUNTS OR VERY HIGH CONCENTRATIONS MAY CAUSE ASPHYXIATION. CONTACT
WITH SKIN MAY CAUSE SKIN DEFATTING OR IRRITATION. CONTACT WITH EYES
MAY CAUSE MINOR IRRITATION. NON- TOXIC IF SWALLOWED. CHRONIC: NONE
SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:INHALED: LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS
OF BREATH, NARCOSIS, CARDIAC
IRREGULARITIES, UNCONSCIOUSNESS, OR
DEATH. EYES: REDNESS, DISCOMFORT. SKIN: DRYNESS, REDNESS,
DISCOMFORT. INGESTED: NONE SP ECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:INHALED: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF
BREATHING STOPPED. GET MEDICAL ATTENTION. EYES: FLUSH WITH LOTS OF
WATER FOR 15 MINUTES, HOLD LIDS OPEN. SEE DOCTOR. SKIN: FLUS
H WITH
WATER. SEE DOCTOR IF SYMPTOMS PERSIST. INGESTED: DO NOT INDUCE
VOMITING! GET MEDICAL ATTENTION.

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

Flash Point Method:TOC
Flash Point:NONE
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:PRESSURIZED AEROSOL CONTAINERS MAY
EXPLODE AT ELEVATED TEMPRATURES

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

Spill Release Procedures: VENTILATE AREA. REMOVE OPEN FLAME OR RED HOT SURFACES. ALLOW TO EVAPORATE.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: DO NOT STORE NEAR SOURCES OF HEAT, OPEN FLAME, DIRECT SUNLIGHT OR WHERE TEMPERATURES EXCEED 120F. DO NOT PUNCTURE OR DAMAGE CANS.

Other Precautions: ROTATE STOCK TO
SHOW SHELF LIFE OF 1 YEAR.

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

Respiratory Protection: NONE NORMALLY REQUIRED.

Ventilation: USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves: BUTYL

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: NONE NORMALLY REQUIRED.

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. DO NOT SPRAY LIQUID ON SKIN.

Supplemental Safety and Health
ITEM IS TYPE II A, CLASS 2 IN M
IL-C-81302

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

HCC: V2

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

Vapor Pres: 334 MM HG

Vapor Density: 2.9 (AIR=1)

Spec Gravity: 1.57 (WATER=1)

Evaporation Rate & Reference: 1 (N-BUTYL ACETATE=1)

Solubility in Water: NEGLIGIBLE

Appearance and Odor: CLEAR, COLORLESS LIQUID; FAINT SOLVENT ODOR

Percent Volatiles by Volume: 100

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

Stability Indicator/Materials to Avoid: YES
ALKALI OR AL

KALI EARTH METALS, POWDERED ALUMINUM, ZINC, BERYLLIUM, ETC.

Stability Condition to Avoid:DO NOT HEAT AEROSOL CANS ABOVE 120F. AVOID
CONTACT BETWEEN CONTENTS AND INCOMPATIBLES.

Hazardous Decomposition Products:THERMAL DECOMPOSITION FORMS: HYCHLORIC
AND HYDROFLUORIC ACIDS, POSSIBLY CARBONYL HALIDES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. MANUFACTURER RECOMMENDS DISP
OSAL IN LANDFILL.

DO NOT PUNCTURE OR INCINERATE AEROSOL CANS.

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