

MICRO CARE CHEMICAL CORP -- CLEANING COMPOUND,TRICHLOROTRIFLUOROETHANE --
6850-00-033-8851

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

Product ID:CLEANING COMPOUND,TRICHLOROTRIFLUOROETHANE

MSDS Date:05/12/1993

FSC:6850

NIIN:00-033-8851

MSDS Number: BNNCC

=== Responsible Party ===

Company Name:MICRO CARE CHEMICAL CORP

Address:34 RONZO RD

City:BRISTOL

State:CT

ZIP:06010

Country:US

Info Phone Num:203-585-791

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Emergency Phone Num:203-585-7912

CAGE:0ATV9

=== Contractor Identification ===

Company Name:MICRO CARE CHEMICAL CORPORATION

Address:34 RONZO ROAD

Box:City:BRISTOL

State:CT

ZIP:06010

Country:US

Phone:860-585-7912

CAGE:0ATV9

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===== 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: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000PPM

ACGIH TLV:1000PPM/1250STE

L9394

Ozone Depleting Chemical:1

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

LD50 LC50 Mixture:LD50 ORAL RAT=43000MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHAL:SUBACUTE PROLONGED EXPOSURE MAY CAUSE LIVER DAMAGE AND PREVENTION OF WEIGHT GAIN,IRREGULAR HEARTBEAT >25000PPM,DEPRESSES HEART MUSCLE >50000PPM.SKIN:POSSIBLE IRRITANT,DRYING.EYES:MAY CAUSE IRRITATION.**PERSONS WITH CONTACT LENSES SHOULD WEAR SAFETY GLASSES**INGEST:MAY CAUSE GI TRACT IRRITATION.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INHAL:DIZZINESS,DROWSINESS,"HEAVINESS".LOW CONCENTRATIONS-DROWSINESS,FLUSHING,HEADACHE,DIZZINESS,NAUSEA.HIGH CONCENTRATIONS-INTOXICATION,CNS DEPRESSION,HEARTBEAT IRREGULARITIES.EYES:POSSIBLE CONJUNCTIVITIS.

Medical Cond Agg

Exacerbated by Exposure:PERSONS WITH PRE-EXISTING DISEASES OF THE LIVER,RETINA,CNS OR GENERAL INTESTINAL TRACT OR REPRODUCTIVE ORGANS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHAL:REMOVE TO FRESH AIR.DO NOT GIVE EPINEPHRINE.GIVE ARTIFICIAL RESPIRATION IF NEEDED.CALL DOCTOR.EYES:FLUSH WITH WATER FOR 15 MINUTES.CALL DOCTOR.**PERSONS WITH CONTACT LENSES SHOULD WEAR SAFETY GLASSES**INGEST:IF CONSCIOUS,GIVE 2-4 GLASSES OF WATER;INDUCE VOMITING BY PUTTING FINGER DOWN THROAT.GET PROMPT QUALIFIED MEDICAL ATTENTION.SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.

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

Flash Point:NONE

Extinguishing Media:NONFLAMMABLE.USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual

I Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

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

Spill Release Procedures:EVACUATE AREA.REMOVE SOURCES OF IGNITION.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT;PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL USING SPARK PROOF SHOVEL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:AVOID BREATHING VAPORS.AVOID HOT

OBJECTS OR FLAMES WHICH MAY GENERATE TOXIC DECOMPOSITION PRODUCTS.

Other Precautions:VAPORS ARE HEAVY AND CONCENTRATE IN LOW POORLY VENTILATED AREAS.

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

Respiratory Protection:NOT REQUIRED IN VENTILATED WORK AREAS.ABOVE 1000PPM,USE A SELF-CONTAINED BREATHING APPARATUS..

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:NEOPRENE

Eye Protection

:CHEMICAL SAFETY GLASSES

Other Protective Equipment:PROTECTIVE CLOTHING TO PREVENT REPEATED CONTACT,PVA OR NEOPRENE PREFERRED.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

SOME HEALTH HAZARD DATA IS FROM CCINFO,MSDS/FTSS(93-1).

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

HCC:N1

Boiling Pt:B.P. Text:116F,47C

Decomp Temp:Decomp Text

:>250F,>121C

Vapor Pres:35

Vapor Density:6.5

Spec Gravity:1.57

Evaporation Rate & Reference:2.0 ETHER=1

Solubility in Water:NEGLIGIBLE (0.196)

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

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIDES,OXIDIZERS,ALUMINUM ...OTHER HOT REACTIVE METALS.

Stability Condition to Avoid:TEMPERATURES ABOVE 250F(DECOMPOSES).

Hazardous Dec

omposition Products:HALOGENS,HALOGEN ACIDS,PHOSGENE,CARBON
MONOXIDE,CARBON DIOXIDE,NITROGEN OXIDES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL REGULATIONS.

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