

MICRO CARE CHEMICAL CORP -- CLEANING
COMPOUND,SOLVENT,TRICHLOROTRIFLUOROETHANE-AEROSOL -- 6850-00-105-3084

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

Product ID:CLEANING COMPOUND,SOLVENT,TRICHLOROTRIFLUOROETHANE-AEROSOL

MSDS Date:09/24/1992

FSC:6850

NIIN:00-105-3084

MSDS Number: BTWNY

=== Responsible Party ===

Company Name:MICRO CARE CHEMICAL CORP

Address:34 RONZO RD

City:BRISTOL

State:CT

ZIP:06010

Count

ry:US

Info Phone Num:203-585-7912

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

=====
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: 95%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10

00PPM
ACGIH TLV:1000PPM/1250STEL9394
Ozone Depleting Chemical:1

Ingred Name:CARBON DIOXIDE
CAS:124-38-9
RTECS #:FF6400000
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;94

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

LD50 LC50 Mixture:ORAL LD50 (RAT) = 43,000 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:EYES:PERSONS
WEARING CONTACT LENSES
SHOULD USE SAFETY GLASSES.MAY CAUSE IRRITATION.SKIN:MAY CAUSE
IRRITATION AND DEFATTING.INGEST:MAY CAUSE GI TRACT
IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION A ND CNS
DEPRESSION.CHRONIC:MAY DAMAGE LIVER,IRREGULAR HEARTBEAT.
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,HEAVY
FEELING.FLUSHING,HEADACHE,DIZZINESS,NAUSEA
.HIGH CONCENTRATION MAY
CAUSE HEART
ARRYTHMIA.INGEST:DISCOMFORT.SKIN:DERMATITIS.EYES:CONJUNCTIVITIS.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING HEART
ARRYTHMIAS,LIVER,RETINA,GI,REPRODUCTIVE OR CENTRAL NERVIIOUS SYSTEM
AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH
WATER.EYES:PERSONS WEARING CONTACTS SHOULD BE USING SAFETY
GLASSES
.FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH
AIR.DO NOT GIVE EPINEPHRINE.GIVE OX YGEN OR ARTIFICIAL RESPIRATION
IF NEEDED.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.IF
CONSCIOUS,GIVE 2-4 GLASSES OF WATER AND INDUCE VOMITING WITH
CONSENT OF DOCTOR BY STICKING FINGER DOWN THROAT.

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

Flash Point:NONE
Extinguishing Media:THIS ITEM IS NON-FLAMMABLE.USE MEDIA APPROPRIATE
FOR SURROUNDING FIRE.
Fire Figh

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

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST FROM HEAT OF FIRE.COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:VENTILATE AREA.EVACUATE PERSONNEL.SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIEL IN AN APPROPRIATE CONTAINER FOR DISPOSAL.USE SPARK-PROOF EQUIPMENT.
Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:AVOID BREATHING FUMES.BE CAUTIOUS OF VAPOR BUILDUP IN LOW AREAS.THE DECOMPOSITION PRODUCTS FROM THIS MATERIAL ARE QUITE TOXIC.

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

Respiratory Protection:FOR CONCENTRATIONS ABOVE 1000PPM,USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:USE GENERAL DILUTION VENTILATION.

Protective Gloves:NEOPRENE

Eye Protection:USE CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING,

SMOKING OR USING TOILET FACILITIES. DO NOT BREATH VAPORS OR MIST.

Supplemental Safety and Health

NONE

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

HCC:V2

Boiling Pt:=46.7C, 116.F

Decomp Temp:=121.1C, 250.F

Vapor Pres:35

Vapor Density:6.5

Spec Gravity:1.57

Evaporation Rate & Reference:2 ETHER=1

Solubility in Water:SLIGHT;0.196%

Appearance and Odor:AEROSOL.LIQUID IS CLEAR,COLORLESS WITH SLIGHT ETHEREAL ODOR.

Percent Volatiles by Volume:100

===== Stab

ility and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG ALKALIDES, OXIDIZERS, ALUMINUM, HOT REACTIVE METALS.

Stability Condition to Avoid: HIGH HEAT; MATERIAL WILL DECOMPOSE ABOVE 250F.

Hazardous Decomposition Products: HALOGENS AND HALOGEN ACIDS, POSSIBLY PHOSGENE, CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN.

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

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

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.