

SPEER PRODUCTS INC -- MIL-C-81302, CLEANING SOLVENT -- 6850-00-105-3084

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

Product ID:MIL-C-81302, CLEANING SOLVENT

MSDS Date:10/19/1990

FSC:6850

NIIN:00-105-3084

MSDS Number: BJCXY

=== Responsible Party ===

Company Name:SPEER PRODUCTS INC

Address:4242 B F GOODRICH BLVD

Box:18993

City:MEMPHIS

State:TN

ZIP:38118-6920

Country:US

Info Phone Num:901-362-1950

Emergency P

hone Num:901-362-1950

Preparer's Name:DGSC-SSH

CAGE:FO248

=== Contractor Identification ===

Company Name:BULK CHEMICALS

Box:City:GRETN

State:LA

CAGE:8K850

Company Name:SPEER PRODUCTS INC

Address:4242 B F GOODRICH BLVD

Box:18993

City:MEMPHIS

State:TN

ZIP:38118-6920

Country:US

Phone:901-362-1950/901-754-6155

CAGE:FO248

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

Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA
III)

CAS:76-13-1

RTECS #:KJ4000000

O

ther REC Limits:NONE SPECIFIED
OSHA PEL:1000PPM/1250STEL
ACGIH TLV:1000PPM/1250STEL9192
Ozone Depleting Chemical:1

Ingred Name:THE PROPELLANT OF THE MATERIAL PURCHASED IN 1976 WAS
PROBABLY AS LISTED IN INGREDIANT 3, COULD HAVE BEEN DIFFERENT THOU.
RTECS #:9999999ZZ
Other REC Limits:NOT RELEVANTNONE SPE
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)
CAS:75-71-8
RTECS #:PA8200000
Other REC Limits:NONE SPECIFIED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PP
M; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS
Ozone Depleting Chemical:1

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

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:PRODUCT IS NEITHER CORROSIVE NOR AN
IRRITANT. IT WILL DEFAT & DRY SKIN,POSSIBLY CAUSING DERMATITIS.
VAPOR IS HEAVIER THAN AIR AND CAN CAUSE SUFFOCATION BY R
EDUCING
OXYGEN AVAILABLE FOR BREATHING.
Explanation of Carcinogenicity:FREON 113 IS NOT LISTED AS A CARCINOGEN
BY IARC, NTP OR OSHA.
Effects of Overexposure:BREATHING HIGH CONCENTRATIONS OF VAPOR MAY
CAUSE LIGHT-HEADEDNESS, GIDDINESS, SHORTNESS OF BREATH, AND MAY
LEAD TO NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR DEATH.
LIQUID CAN CAUSE DEFATTIN G OF TISSUE.
Medical Cond Aggravated by Exposure:SKIN DISEASE - FREON 113 IS A
DEFATTING AGENT AND CAN CAUSE DERMATITI

S ON PROLONGED EXPOSURE.

PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS AGENT.

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

First Aid:EYE:FLUSH W/ WATER 15 MIN HOLD LIDS OPEN SEE A DOCTOR.

SKIN:WASH WITH SOAP & WATER. TREAT FOR FROST-BITE IF NEEDED.

INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING, AS NEEDED. DO NOT GIVE EPINEPHRINE OR SIMILAR DRUGS. INGESTED:DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL CARE. IF IRRITATION PERSISTS,OR IS SEVERE,SEE A DOCTOR.

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

Flash Point:NONE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:CONTENTS UNDER P

RESSURE! EXPOSURE TO

TEMPERATURES OVER 130 F MAY RESULT IN RUPTURE OF THE CONTAINER.

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

Spill Release Procedures:VENTILATE AREA. DO NOT FLUSH INTO SEWERS.

COLLECT ON ABSORBENT MATERIAL AND TRANSFER TO STEEL DRUMS FOR RECOVERY OR DISPOSAL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A CLEAN, COOL, DRY AND WELL-VENTILATED ARE

A OF LOW FIRE RISK. PROTECT CONTAINERS FROM PHYSICAL DAMAGE AND KEEP CLOSED.

Other Precautions:PERSONNEL USING THIS PRODUCT IN ENCLOSED AREAS SHOULD USE ONLY FORMAL TANK ENTRY PROCEDURE BASED ON RECOGNIZED SAFETY PRINCIPLES. APPLY ALL SAFETY PRECAUTIONS TO EMPTY CONTAINERS AS THEY MAY CONTAIN P RODUCT RESIDUES/VAPORS OR PRESSURES.

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/

MSHA APPROVED AIR SUPPLIED RESPIRATOR OR SELF CONTAINED BREATHING APPARATUS IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.

Ventilation:PROVIDE LOCAL EXHAUST AT FILLING ZONES AND OTHER OPERATING SPACES WHERE LEAKAGE IS PROBABLE. MECHANICAL FOR OTHER.

Protective Gloves:LINED BUTYL RUBBER, PVA OR NEOPRENE

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES

Other Protective Equipment:USE IMPERVIOUS CLOTHING IF THERE IS DANGER OF REPEATED OR PROLONGED CONTACT WITH LIQUID.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID CONTACT. REMOVE AND WASH CLOTHING PROMPTLY UPON CONTAMINATION.

Supplemental Safety and Health

MSDS ORIGINATED 19OCT90 BY DGSC-SSH TO COVER MATERIAL PURCHASED IN 1976 ON CONTRACT DLA400-76C-1046. MFR HAD NO RECORDS OF THE CONTRACT. SPECIFICATION DETAILS LIQUID CONTENTS. PROPELLANT WAS PROBABLY DICHLOROMETHANE AT THAT TIME.

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

HCC:V2

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

Spec Gravity:1.57

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR COLORLESS LIQUID, SLIGHT SOLVENT ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALI, ALKALINE EARTH METALS, POWDERED REACTIVE METALS SUCH AS ALUMINUM, ZINC, ETC.

Stability Condition to Avoid:TEMPERATURES ABOVE 130F

Hazardous Decomposition Products:DECOMPOSED BY HIGH TEMPERATURES (OPEN FLAMES, GLOWING METAL SURFACES, ETC.) FORMING HYDROCHLORIC AND HYDROFLUORIC ACIDS.

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

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER SUGGESTS THAT RECLAIMATION BY DISTILLATION OR DISPOSAL BY A PERMITTED FACILITY.

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