

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

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Product Identification
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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

Phone Num:901-362-1950

Preparer's Name:DGSC-SSH

CAGE:FO248

=== Contractor Identification ===

Company Name:BULK CHEMICALS

Box:City:GRETNA

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

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Composition/Information on Ingredients
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Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA
III)

CAS:76-13-1

RTECS #:KJ4000000

Other 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 P

PM; 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
REDUCING

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 DERMATIT

IS 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 PRESSURE! 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 AREA 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 PRODUCT 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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