

SPRAYWAY INC -- TF SOLVENT DEGREASER 16 OZ -- 6850-00-105-3084

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

Product ID:TF SOLVENT DEGREASER 16 OZ

MSDS Date:03/31/1991

FSC:6850

NIIN:00-105-3084

MSDS Number: BMSTW

=== Responsible Party ===

Company Name:SPRAYWAY INC

Address:484 VISTA AVE

City:ADDISON

State:IL

ZIP:60101-4421

Country:US

Info Phone Num:800-332-9000

Emergency Phone Num:800-228-5635

Preparer's Name

:T. O. VYTHUIS

CAGE:55772

=== Contractor Identification ===

Company Name:SPRAYWAY INC

Address:484 VISTA AVE

Box:City:ADDISON

State:IL

ZIP:60101-4421

Country:US

Phone:708-628-3000

CAGE:55772

===== 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: 96.6%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chem

ical:1

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 1 - 3.4%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 43,000 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE- RESPIRATORY IRRITATION,
HEADACHE, DIZZINESS AND NAUSEA

. REPEATED SKIN CONTACT MAY CAUSE

DEFATTING RESULTING IN IRRITATION. EYE CONTACT MAY CAUSE

IRRITATION. INGESTION OF AEROSOLS IS NOT A LIKEL Y ROUTE. CHRONIC-
MAY CAUSE DERMATITIS.

Effects of Overexposure:RESPIRATORY IRRITATION, HEADACHE, DIZZINESS AND
NAUSEA. REPEATED SKIN CONTACT MAY CAUSE DEFATTING RESULTING IN
IRRITATION. EYE CONTACT MAY CAUSE IRRITATION. INGESTION OF AEROSOLS
IS NOT A LIKELY ROUTE .

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN

DISORDERS OR CARDIAC IRREGULARITIES MAY BE MORE SUSCEPTIBLE TO THE
EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: FLUSH WITH
PLENTY OF WATER. EYE: FLUSH WITH WATER FOR 15 MINUTES, HOLDING
EYELIDS OPEN. INHALED: REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF
NEEDED. OR AL: CALL PHYSICIAN.

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

Flash Point:NON

FLAMMABLE

Extinguishing Media:USE CO2, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:DO NOT SPRAY NEAR OPEN FLAME OR WHILE SMOKING. AT ELEVATED TEMPERATURES OVER 54C (130F), CONTAINERS MAY VENT, RUPTURE OR BURST.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE THE AREA. SOAK UP SPILL WITH AN INERT ABSORBENT MATERIAL AND PLACE INTO A DESIGNATED DISPOSAL CONTAINER.

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

Handling and Storage Precautions:STORAGE- STORE IN COOL, DRY, VENTILATED AREA AWAY FROM EXCESSIVE HEAT AND FLAME.

Other Precautions:DO NOT PUNCTURE OR INCINERATE CONTAINERS. AVOID

BREATHING VAPOR. USE WITH ADEQUATE VENTILATION. READ AND FOLLOW THE DIRECTION ON THE LABEL. DO NOT GET IN EYES OR ON SKIN. KEEP OUT OF REACH OF CHILDREN .

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH-APPROVED RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:CHEMICAL SAFETY GLASSES, FACE SHIELD

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental

Safety and Health

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

HCC:V2

Vapor Pres:5689 @130F

Vapor Density:>1

Spec Gravity:>1.0

Evaporation Rate & Reference:>1 (ETHER = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID SPRAY - FAINT ETHEREAL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALI OR ALKALINE EARTH METALS

Stability Condition to Avo

id:OPEN FLAMES, EXCESSIVE HEAT

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
HALOGEN ACIDS, PHOSGENE AND OTHER TOXIC CHEMICALS MAY BE FORMED IN
SMALL AMOUNTS.

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

Waste Disposal Methods:DO NOT PUNCTURE OR INCINERATE CONTAINERS. WHEN
CONTENTS ARE DEPLETED, CONTINUE TO DEPRESS BUTTON UNTIL ALL GAS IS
EXPELLED. DISPOSE OF CONTAINER IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS .

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