

TECH SPRAY,INC -- FD ELECTRONIC CLEANER 100 % FREON TF 1638 A -- 6850-00-105-3084
===== Product Identification =====

Product ID:FD ELECTRONIC CLEANER 100 % FREON TF 1638 A

MSDS Date:08/08/1989

FSC:6850

NIIN:00-105-3084

MSDS Number: BMDLN

=== Responsible Party ===

Company Name:TECH SPRAY,INC

Address:88 HUGHES STREET

Box:949

City:AMARILLO

State:TX

ZIP:79105

Country:US

Info Phone Num:800-692-4677 OR

800-858-4043

Emergency Phone Num:806-372-8523

Preparer's Name:J. WITCHER

CAGE:JO768

=== Contractor Identification ===

Company Name:TECH SPRAY INC

Address:1001 NW 1ST

Box:949

City:AMARILLO

State:TX

ZIP:79105-0949

Country:US

Phone:806-372-8523

CAGE:54700

Company Name:TECH SPRAY,INC

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

Ingred Name:1,1,2-TRICHL

ORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA
III)/FREON TF

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 80%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chemical:1

Ingred Name:CHLORODIFLUOROMETHANE

CAS:75-45-6

RTECS #:PA6390000

Fraction by Wt: 18%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000 PPM

ACGIH TLV:1000PPM; 9192

Ozone Depleting Chemical:2

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: < 2%

Other

REC Limits:NONE SPECIFIED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

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

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

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

Health Hazards Acute and Chronic:ACUTE-INHALE:MAY CAUSE

SUFFOCATION,SHORTNESS OF BREATH,CONFUSION,NARCOSIS,CARDIAC

IRREGULARITIES,UNCONSCIOUSNESS OR EVEN DEATH.EYES:CAN CAUSE SLIGHT

IRRITATION & CORNEAL INJURY.SKIN:PROLONGED/REPEATE

D CONTACT CAN

CAUSE DEFATTING.ORAL:LOW TOXICITY BUT HAS ASPIRATION HAZARD,GI &

CNS EFFECTS.CHRONIC-MAY CAUSE DERMATITIS.

Effects of Overexposure:MAY CAUSE SUFFOCATION, SHORTNESS OF BREATH,

CONFUSION, NARCOSIS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS OR

EVEN DEATH. CAN CAUSE SLIGHT EYE IRRITATION & CORNEAL INJURY.

PROLONGED/REPEATED SKIN CONTACT CAN CAUSE DEFATTING. ORALLY HAS

LOW TOMODERATE TOXICITY AND HAS ASPIRATION HAZARD, GI & CNS

EFFECTS.

Medical Cond Aggravate

d by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.SKIN:WASH WITH SOAP & WATER.EYE:FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.ORAL:DO NOT IN DUCE VOMITING.IF CONSCIOUS,DRINK 2 GLASSES OF WATER & IMMEDIATELY SEEK MEDICAL ATTENTION.DO NOT TAKE ADRENALINE

OR OTHER SIMILAR CARDIAC STIMULANTS TO TREAT EFFECTS OF OVEREXPOSURE TO THIS PRODUCT.

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

Flash Point Method:TCC

Flash Point:NONE

Extinguishing Media:WATER SPRAY, 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 T HE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:AEROSOL CANS MAY ERUPT WITH FORCE AT TEMPERATURES ABOVE 120F.

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

Spill Release Procedures:VENTILATE AREA WELL AND AVOID BREATHING VAPORS. VAPOR CONCENTRATION WILL BE HIGHEST ALONG FLOOR AND IN LOW LYING AREAS. PICK UP LIQUID ON SUITABLE ABSORBENT AND STORE IN SEALED CONTAINERS.

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

Handling an

d Storage Precautions:STORAGE-STORE IN COOL,WELL VENTILATED AREA AWAY FROM HEAT & FLAMES.

Other Precautions:KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN. THIS PRODUCT FOR INDUSTRIAL USE ONLY. DO NOT USE IN CLOSED SPACE. AVOID BREATHING VAPORS OR MISTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

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

Respiratory Protection:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSU

RE MODE OR ORGANIC VAPOR MASK.

Ventilation:AS REQUIRED TO CONTROL TLV IN AIR

Protective Gloves:NEOPRENE OR PVA

Eye Protection:SPLASH-PROOF SAFETY GOGGLES OR GLASSES

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

Work Hygienic Practices:GOOD PERSONAL HYGIENE PRACTICES REQUIRE THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE P/N A OR B , SAME NSN.

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

HCC:V2

Boiling Pt:=46.7C, 116.F

Vapor Density:6.5

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR WATER-WHITE MOBILE LIQUID WITH SLIGHT ETHEREAL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

REACTIVE ALKALI METALS, STRONG ACIDS AND BASES

Stability Condition to Avoid:HEAT AND OPEN FLAME

Hazardous Deco

Composition Products:HYDROGEN CHLORIDE, PHOSGENE, CHLORINE, CARBON DIOXIDE AND CARBON MONOXIDE

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

Waste Disposal Methods:MATERIAL MAY BE DISPOSED OF BY A LICENSED RECLAIMER OR INCINERATION FACILITY. CONSULT LOCAL, STATE AND FEDERAL REGULATIONS.

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