

TECH SPRAY INC. -- 2410 AEROSOL ENVI-RO-TECH KLEEN-IT -- 6850-01-453-5703

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

Product ID:2410 AEROSOL ENVI-RO-TECH KLEEN-IT

MSDS Date:10/01/1997

FSC:6850

NIIN:01-453-5703

MSDS Number: CGXJB

=== 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

Em

ergency Phone Num:806-372-8523

Resp. Party Other MSDS Num.:2410

Preparer's Name:B. RIFFEL

Chemtec Ind/Phone:(800)424-9300

CAGE:54700

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

Contract Num:SP0450-00-M-D928

CAGE:4N760

Company Name:OMEGA ELECTRONICS

Address:95 HARTFORD AVE

Box:City:SAN CARLOS

State:CA

ZIP:94070

Country:US

Phone:650-591-2510

Contract Num:SP04

50-01-M-D171
CAGE:7W657
Company Name:TECH SPRAY INC
Address:1001 NW 1ST
Box:949
City:AMARILLO
State:TX
ZIP:79105-0949
Country:US
Phone:806-372-8523
Contract Num:SP0450-99-M-NB46
CAGE:54700

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===== Composition/Information on Ingredients =====
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Ingred Name:DICHLOROFLUOROETHANE (SARA 313)
CAS:1717-00-6
RTECS #:KI0997000
Minumum % Wt:80.
Maxumum % Wt:90.
Other REC Limits:500 PPM (SUPPLIER)
Ozone Depleting Chemical:2

Ingred Name:ETHYL ALCOHOL, ; DENATURED WITH METHANOL
CAS:64-17-5
R
TECS #:KQ6300000
= Wt:8.5
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:1000 PPM

Ingred Name:METHANOL (SARA 313) (CERCLA)
CAS:67-56-1
RTECS #:PC1400000
= Wt:1.4
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 200 PPM
ACGIH TLV:S,200PPM/250STEL; 96
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SILICONE LUBRICANT BLEND
Fraction by Wt: NP
Other REC Limits:NONE RECOMMENDED

Ingred Name:CARBON DIOXIDE-PROPELLANT
CAS:124-38-9
RTECS #:FF6400000
= Wt:3.5
Other REC Limits:NONE REC

OMMENDED
OSHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;96

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:INHALATION:MAJOR ROUTE OF EXPOSURE.VAPOR HEAVIER THAN AIR,CAN CAUSE SUFFOCATION BY REDUCING AVAILABLE OXYGEN FOR BREATH. INHALING HIGH CONCENTRATIONS IN CONFINED AREA MAY BE FATAL. EYE: LIQUID IRRITATES, MAY CAUSE CONJUNCTIVITIS.SKIN:NOT A CORROSIVE OR IRRITANT; HOWEVER, REPEATED OR PROLONGED EXPOSURE CAN CAUSE DEFATTING OF SKIN. INGESTION: IF VOMITING OCCURS, ASPIRATION MAY OCCUR, CAUSING CHEMICAL PNEUMONIA & SYSTEMIC EFFECTS. HUMAN PSYCHOTROPIC, GASTROINTESTINAL AND CNS EFFECTS POSSIBLE. LARGE QUANTITIES COULD CAUSE BLINDNESS DUE TO METHANOL CONTENT.
Explanation of Carcinogenicity:NOT PROVIDED BY MANUFACTURER
Effects of Overexposure:BREATHING HIGH VAPOR CONCENTRATIONS MAY CAUSE LIGHT-HEADEDNESS,GIDDINESS,SHORTNESS OF BREATH, CONFUSION, MAY LEAD TO NARCOSIS, IRREGULAR HEARTBEATS,UNCONSCIOUSNESS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: MOVE TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION.CALL FOR PROMPT MEDICAL ATTENTION. EYE:FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.SKIN:REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. FLUSH WITH LARGE AMOUNTS OF WATER. USE SOAP IF AVAILABLE. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING UNLESS DIRECTED BY PHYSICIAN. IF CONSCIOUS AND ALERT, GIVE TWO GLASSES OF WATER. SEEK MEDICAL ATTENTION.

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

Flash Point:NON-FLAMMABLE
Lower Limits:N/E
Upper Limits:N/E
Extinguishing

Media:WATER, FOAM, DRY CHEMICAL, CARBON DIOXIDE.

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR SELF CONTAINED POSITIVE-PRESSURE BREATHING APPARATUS AND AVOID CONTACT WITH FUMES WHICH COULD CONTAIN HYDROCHLORIC AND HYDROFLUORIC ACID.

Unusual Fire/Explosion Hazard:AEROSOL CANS MAY ERUPT WITH FORCE AT TEMPERATURES ABOVE 120F. HAZARDOUS COMBUSTION PRODUCTS: SMOKE, FUMES AND OXIDES OF CARBON.

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

Spill Release Proc

edures:EVACUATE AREA.VENTILATE AREA WELL AND AVOID BREATHING VAPORS.VAPOR CONCENTRATION WILL BE HIGHEST ALONG FLOOR & IN LOW LYING AREAS. PICKUP LIQUID ON SUITABLE ABSORBENT & STORE IN SEALED CONTAINERS. SH UT OFF FIRE SOURCES. WORKERS SHOULD WEAR PROPER EQUIPMENT TO WORK IN CLEANUP AREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORAGE

TEMP/PRESSURE:AMBIENT/ATMOS PHERIC.KEEP CONTAINER CLOSED WHEN NOT IN USE.STORE IN COOL WELL VENTILATED PLACE OUT OF DIRECT SUNLIGHT & AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:FOLLOW ALL MSDS & LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

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

Respiratory Protection:IF CONCENTRATIONS ARE OVER EXPOSURE LIMIT AND ARE UNKNOWN, AIR PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES MAY BE ACCEPTABLE.REFER TO CARTRIDGES FOR ACCEPT

ABLE LEVELS. IF CONCENTRATIONS ARE OV ER EXPOSURE LIMIT AND ARE UNKNOWN, USE SUPPLIED AIR RESPIRATOR.

Ventilation:LOCAL EXHAUST VENTILATION ACCEPTABLE.

Protective Gloves:SOLVEX GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE REUSE

Supplemental Safety and Health

PRODUCT NUMBER: 2410 AEROSOL.

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

HCC:V2

Boiling Pt.=35.

C, 95.F
Vapor Pres:NP
Spec Gravity:1.21
VOC Pounds/Gallon:93
Evaporation Rate & Reference:>1 (H2O=1)
Solubility in Water:10
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 & BASES.
Stability Condition to Avoid:CONTACT WITH OPEN FLAME, HEAT.
Hazardous Decomposition Products:HYDRO
GEN CHLORIDE, PHOSGENE, CHLORINE,
CARBON DIOXIDE, AND CARBON MONOXIDE.

===== Toxicological Information =====

Toxicological Information:INFORMATION NOT AVAILABLE

===== Ecological Information =====

Ecological:INFORMATION NOT AVAILABLE

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

Waste Disposal Methods:LOCAL, STATE AND FEDERAL LAWS GOVERNING DISPOSAL
OF MATERIALS CAN DIFFER.ENSURE PROPER DISPOSAL COM
PLIANCE WITH
PROPER AUTHORITIES BEFORE DISPOSAL. NO CERCLA/SUPERFUND CHEMS.SEC
313 TOXIC CHEM/40CFR37 2:DICHLOROFLUOROETHANE;METHANOL.

===== MSDS Transport Information =====

Transport Information:US DOT: PROPER SHIPPING NAME: CONSUMER COMMODITY
ORM-D. HAZARD CLASS: N/A. PACKAGING GROUP: N/A. UN NUMBER: N/A.
LIMITATIONS: N/A. IATA: PROPER SHIPPING NAME: CONSUMER COMMODITY ID
8000. HAZARD CLASS 9. PACKING GROUP: N/A. UN NUMBER: ID8000.
LIMITA

CTIONS: FOR DOMESTIC SHIPMENTS ONLY WHEN SHIPPING
INTERNATIONAL CONTACT THE TECH SPRAY SHIPPING DEPARTMENT. CARGO
AIRCRAFT ONLY. IMO: PROPER SHIPPING NAME: AEROSOLS. CLASS: 2.2. UN
NUMBER: UN1950. PACKING GROUP: N/A. EMS: 2-13. MFAG: 306. MARINE
POLLUTANT: N/A. CANADIAN TDG: N/A. IMDG: 2102.

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Regulatory Information
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SARA Title III Information:SECTION 311/312: BY OUR HAZARD EVALUATION,
THIS PRODUCT IS HAZARDOUS: IMMEDIATE (ACUTE) H
EALTH HAZARD. THIS
PRODUCT CONTAINS THE FOLLOWING CHEMICALS (AT LEVELS OF 1% OR MORE)
COVERED BY SECTION 313 OF SARA TITLE III:DICHLOROFLUOROETHANE
80-90%

Federal Regulatory Information:ALL SUBSTANCES ARE LISTED ON THE TOXIC
SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

State Regulatory Information:THIS PRODUCT DOES NOT CONTAIN ANY
COMPONENTS THAT ARE REGULATED UNDER THE STATE OF CALIFORNIA
PROPOSITION 65.

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Other Information
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