1677 AEROSOL, ENVI-RO-TECH 1677 UNIVERSAL (SUPDAT)

**MSDS Number**
CBVVV

**National Stock Number**
6850-00N037810

**Product Name**
1677 AEROSOL, ENVI-RO-TECH 1677 UNIVERSAL (SUPDAT)

**Manufacturer**
TECH SPRAY

**Product Identification**
Product ID: 1677 AEROSOL, ENVI-RO-TECH 1677 UNIVERSAL (SUPDAT)
MSDS Date: 10/07/1993
FSC: 6850
NIIN: 00N037810
MSDS Number: CBVVV

**Responsible Party**
TECH SPRAY
AMARILLO, TX 79105-0949
US
Emergency Phone: 800-858-4043
Info Phone: 806-372-8523
Preparer: B. RIFFEL
Cage: DO989

**Contractor**
TECH SPRAY INC
949
AMARILLO, TX 79105-0949
US
806-372-8523
Cage: 54700

**Ingredients**
ETHANE, 1,1-DICHLORO-1-FLUORO-; (DICHLOROFLUOROETHANE)
CAS: 1717-00-6
RTECS: KI0997000
Fraction By Weight: 85-90%
OSHA PELN/K
ACGIH TLV: N/K

ETHYL ALCOHOL; (ETHANOL)
CAS: 64-17-5
RTECS: KQ6300000
Fraction By Weight:
OSHA PEL1000 PPM
ACGIH TLV: 1000 PPM

METHANOL; (METHYL ALCOHOL) (SARA 313) (CERCLA)
CAS: 67-56-1
RTECS: PC14000000
Fraction By Weight: 1.44%
OSHA PEL200 PPM, S
ACGIH TLV: 200 PPM; 250 STEL, S
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

CARBON DIOXIDE (PROPELLANT). (MFR’S INVALID CAS
CAS: 124-38-9
RTECS: FF6400000
Fraction By Weight:
OSHA PEL5000 PPM
ACGIH TLV: 5000 PPM; 30000 STEL

BLINNESS DUE TO METHANOL CONTENT.
RTECS: 9999999ZZ

LAVAGE. SEEK MED ATTN IMMEDIATELY. NEVER GIVE
RTECS: 9999999ZZ

W/ADRENALIN. OVEREXPOSED IF ACCOMPANIED BY ANOXIA,
RTECS: 9999999ZZ

MAINTAIN OXYGENATION UNTIL RECOVERY.
RTECS: 9999999ZZ

Hazards
LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: CHLOROFUOROCARBON (CFC) MATLS HAVE
PRDCD SENSIT OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD
HAVE SIMILAR EFT IN HUMANS. ADRENOMIMETICS (E.G., EPINEPHRINE) MAY
BE CONTRAIINDED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS
ACUTELY/CHRONICALLY EXPOS TO CFC’S. INHAL: MAJOR RTE OF EXPOS. VAP
(EFTS OF OVEREXP)
Explanation of Carcinogenicity: NOT RELEVANT
Effects of Overexposure: HLTH HAZ: IS HVR/AIR & CAN CAUSE SUFOICATION BY
REDUCING AVAIL OXYG FOR BRTHG. BRTHG HIGH CONCS OF VAP MAY CAUSE LT
HEAD, GIDD, SHORTNESS OF BREATHE, CONFUS & MAY LEAD TO NARCOS,
CARDIAC IRREGS, UNCON. INHAL OF HIGH CONCS IN CLOSELY CONFINED
AREA MAY BE FATAL. EYES: LIQ CONT WILL IRRIT & MAY CAUSE CONJ.
SKIN: NOT (SUPDAT)
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.
First Aid
First Aid: INHAL: REMOVE TO FRESH AIR. IF BRTHG HAS STOPPED, ADMIN ARTF RESP. SEEK MED ATTN. EYES: FLUSH W/WATER FOR AT LST 15 MINS. LIFT EYELIDS OCCAS UNTIL NO EVID OF CHEM IS PRESENT. CALL MD. SKIN: WASH PROMPTLY W/SOAP & WATER FOR 15 MINS WHILE REMOVING CONTAM CLTHG. GET MED ATTN IMMED. WASH CLTHG BEFORE REUSE. INGEST: IN CONSCIOUS, GIVE 2-4 GLASSES OF WATER & INDUCE VOMIT/REMOVE CHEM BY GASTRIC (ING 6)

Fire Fighting
Flash Point Method: TCC
Flash Point: NON-FLAMMABLE
Extinguishing Media: WATER, FOAM, DRY CHEMICAL, CARBON DIOXIDE.
Fire Fighting Procedures: WEAR NIOSH APPROVED PRESSURE DEMAND SCBA & FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard: THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE FLUORIDES, CHLORIDES & PHOSGENE . NON-FLAMMABLE. AEROSOL CANS MAY ERUPT W/FORCE AT TEMPERATURES ABOVE 120F.

Accidental Release
Spill Release Procedures: EVACUATE AREA. VENT AREA WELL & AVOID BRTHG VAPS. VAP CONC WILL BE HIGHEST ALONG FLOOR & IN LOW LYING AREAS. PICK UP LIQ ON SUITABLE ABSORB & STORE IN SEALED CNTNRS. SHUT OFF FIRE SOURCES. WORKERS SHO ULD WEAR PROPER EQUIP TO WORK IN CLEAN UP AREA.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling
Handling and Storage Precautions: THIS PRODUCT FOR INDUSTRIAL USE ONLY. LIQUID EXHIBITED A FLASH POINT OF 98F, 36.7C (TCC) AFTER 72% OF MATERIAL HAS EVAPORATED.
Other Precautions: NO SMOKING IN AREA OF USE. DO NOT USE IN GENERAL VICINITY OF ARC WELDING, OPEN FLAMES OR HOT SURFACES. HEAT &/OR UV RADIATION MAY CAUSE THE FORMATION OF CHLORIDES, FLUORIDES OR PHOSGENE .

Exposure Controls
Respiratory Protection: IF LEVELS EXCEED TLV'S, INCREASED VENTILATION OR NIOSH APPROVED ORGANIC VAPOR MASK REQUIRED.
Ventilation: DO NOT USE IN CLOSED SPACE. VENTILATION REQUIRED.
Protective Gloves: SOLV RESIST GLOVES SUCH AS NEOPRENE/PVA.
Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS .
Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA .
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
MFR'S TRADE NAME/PART NO:CLEANER/DEGREASER. EFTS OF OVEREXP: CORR/IRRIT; HOWEVER, RPTD/PRNLG EXPOS CAN CAUSE DEFAT. INGEST: SINGLE DOSE TOX IS LOW TO MOD. IF VOMIT OCCURS LIQ CAN BE ASPIRATED INTO LUNGS , WHICH CAN CAUSE CHEM PNEUM & SYSTEMICEFTS. HUMAN PSYCHOTROPIC, GI & CNS EFST POSS. LG QTYS COULD CAUSE (ING 5)

Chemical Properties
Boiling Pt: B.P. Text: 95.0F, 35.0C
Spec Gravity: 1.21
Evaporation Rate & Reference: >1 (H*2O=1)
Solubility in Water: 10
Appearance and Odor: CLEAR, WATER-WHITE, MOBILE LIQUID W/SLIGHT ETHEREAL ODOR.
Percent Volatiles by Volume: 100

Stability
Stability Indicator/Materials to Avoid: YES
REACTIVE ALKALI METALS, STRONG ACIDS & BASES.
Stability Condition to Avoid: CONTACT W/OPEN FLAME, HEAT.
Hazardous Decomposition Products: CHLORIDES, FLUORIDES . HYDROGEN
CHLORIDE, PHOSGENE, CHLORINE, CARBON DIOXIDE & CARBON MONOXIDE.

Disposal

Waste Disposal Methods: MATERIAL MAY BE DISPOSED OF BY A LICENSED RECLAIMER OR INCINERATION FACILITY. CONSULT LOCAL, STATE & FEDERAL DISPOSAL AUTHORITIES FOR APPROVED PROCEDURES.

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