

**Division of Facilities Services****DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only****1671 AEROSOL, ENVI-RO-TECH DUSTER**

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**Section 1 - Product and Company Identification
1671 AEROSOL, ENVI-RO-TECH DUSTER****Product Identification:** 1671 AEROSOL, ENVI-RO-TECH DUSTER**Date of MSDS:** 01/14/1997 **Technical Review Date:** 01/19/2000**FSC:** 6850 **NIIN:** 01-412-0040**Submitter:** D DG**Status Code:** A**MFN:** 01**Article:** N**Kit Part:** N

Manufacturer's Information

Manufacturer's Name: TECH SPRAY, INC.
Post Office Box: 949
Manufacturer's Address1: UNKNOWN
Manufacturer's Address2: AMARILLO, TX 79105-0949
Manufacturer's Country: US
General Information Telephone: 806-372-8523
Emergency Telephone: 806-372-8523
Other Number for MSDS Information: NONE
Emergency Telephone: 806-372-8523
MSDS Preparer's Name: R. PRICHARD
Chemtec Telephone: (800)424-9300
Proprietary: N
Reviewed: Y
Published: Y
CAGE: 54770

Item Description

Item Name: CLEANING COMPOUND,SOLVENT
Item Manager: S9G
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: BX **Quantitative Expression:** 00000000012EA
Unit of Issue Quantity: 0
Type of Container: AEROSOL CAN

Contractor Information

Contractor's Name: TECH SPRAY, INC.
Post Office Box: 949
Contractor's Address1: UNKNOWN
Contractor's Address2: AMARILLO, TX 79105-0949
Contractor's Telephone: 806-372-8523
Contractor's CAGE: 54770

Contractor Information

Contractor's Name: TELECHEM INTERNATIONAL, INC
Contractor's Address1: 524 E WEDDELL DRIVE SUITE 3
Contractor's Address2: SUNNYVALE, CA 94089-2115
Contractor's Telephone: 916-941-3688
Contract Number: SP0450-00-M-D396
Contractor's CAGE: 1KH20

Section 2 - Composition/Information on Ingredients
1671 AEROSOL, ENVI-RO-TECH DUSTER

Ingredient Name: 1,1,1,2-TETRAFLUOROETHANE
Ingredient CAS Number: 811-97-2 **Ingredient CAS Code:** T

RTECS Number: RTECS Code: X

=WT: 100. =WT Code: M

=Volume: =Volume Code:

>WT: >WT Code:

>Volume: >Volume Code:

<WT: <WT Code:

<Volume: <Volume Code:

% Low WT: % Low WT Code:

% High WT: % High WT Code:

% Low Volume: % Low Volume Code:

% High Volume: % High Volume Code:

% Text:

% Enviromental Weight:

Other REC Limits: SUPPLIER TWA=1000PPM

OSHA PEL: N/P OSHA PEL Code:

OSHA STEL: N/P OSHA STEL Code:

ACGIH TLV: N/P ACGIH TLV Code:

ACGIH STEL: N/P ACGIH STEL Code:

EPA Reporting Quantity:

DOT Reporting Quantity:

Ozone Depleting Chemical: N

Section 3 - Hazards Identification, Including Emergency Overview

1671 AEROSOL, ENVI-RO-TECH DUSTER

Health Hazards Acute & Chronic: INHALATION: MAJOR POTENTIAL ROUTE OF EXPOSURE. BLOOD PRESSURE DEPRESSION, CARDIAC SENSITIZATION AND VENTRICULAR ARRHYTHMIA RESULTS FROM EXPOSURE TO NEAR-ANESTHETIC LEVELS. EYES: LIQUID CAN CAUSE SLIGHT IRRITATION WITH SLIGHT TEMPORARY CORNEAL INJURY. SKIN: REPEATED/PROLONGED CONTACT CAN CAUSE FREEZING OF SKIN TISSUES, DEFATTING AND DERMITITIS. INGESTION: SINGLE DOSE TOXICITY IS LOW TO MODERATE. VOMITING CAN CAUSE ASPIRATION TO LUNGS, WHICH CAN CAUSE CHEMICAL PNEUMONIA AND SYSTEMIC EFFECTS.

Signs & Symptoms of Overexposure:

INHALATION: DIZZINESS, DROWSINESS, THROAT IRRITATION, UNCONSCIOUSNESS AND DEATH; BLOOD PRESSURE DEPRESSION, CARDIAC SENSITIZATION, VENTRICULAR ARRHYTHMIA. EYES IRRITATION, SKIN: FREEZING OF SKIN TISSUES, DEFATTING, AND DERMITITIS. INGESTION: CHEMICAL PNEUMONIA, SYSTEMIC EFFECTS, HUMAN PSYCHOTROPIC, GASTROINTESTINAL, AND CENTRAL NERVOUS SYSTEM EFFECTS.

Medical Conditions Aggravated by Exposure:

NONE SPECIFIED BY MANUFACTURER

LD50 LC50 Mixture: NOT SPECIFIED BY MANUFACTURER

Route of Entry Indicators:

Inhalation: YES

Skin: YES

Ingestion: YES

Carcenogenicity Indicators

NTP: N/P

IARC: N/P

OSHA: N/P

Carcinogenicity Explanation: N/P

Section 4 - First Aid Measures
1671 AEROSOL, ENVI-RO-TECH DUSTER

First Aid:

INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. GET MEDICAL ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING/SHOES AND WASH BEFORE REUSE. FLUSH SKIN WITH LARGE AMOUNTS OF WATER. USE SOAP IF AVAILABLE. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING UNLESS DIRECTED BY A PHYSICIAN. IF CONSCIOUS AND ALERT, GIVE 2 GLASSES OF WATER. GET MEDICAL ATTENTION.

Section 5 - Fire Fighting Measures
1671 AEROSOL, ENVI-RO-TECH DUSTER

Fire Fighting Procedures:

AEROSOL CANS MAY ERUPT WITH FORCE AT TEMPERATURES ABOVE 120F. FIREFIGHTERS SHOULD WEAR SELF-CONTAINED, POSITIVE PRESSURE BREATHING APPARATUS AND AVOID SKIN CONTACT.

Unusual Fire or Explosion Hazard:

HAZARDOUS COMBUSTION PRODUCTS: SMOKE, FUMES, AND OXIDES OF CARBON.

Extinguishing Media:

WATER, FOAM, DRY CHEMICAL, CARBON DIOXIDE.

Flash Point: Flash Point Text: NONE

Autoignition Temperature:

Autoignition Temperature Text: N/P

Lower Limit(s): N/A

Upper Limit(s): N/A

Section 6 - Accidental Release Measures
1671 AEROSOL, ENVI-RO-TECH DUSTER

Spill Release Procedures:

EVACUATE AREA. 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.

Section 7 - Handling and Storage
1671 AEROSOL, ENVI-RO-TECH DUSTER

Handling and Storage Precautions:

Other Precautions:

Section 8 - Exposure Controls & Personal Protection
1671 AEROSOL, ENVI-RO-TECH DUSTER

Respiratory Protection:

CONCENTRATIONS OVER TLV USE AIR PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. REFER TO CARTRIDGES FOR ACCEPTABLE LEVELS. IF CONCENTRATIONS ARE OVER TLV BUT ARE UNKNOWN, USE A SUPPLIED AIR RESPIRATOR.

Ventilation:

LOCAL EXHAUST VENTILATION ACCEPTABLE.

Protective Gloves:

SOLVEX, BUTYL, NATURAL LATEX, NEOPRENE, BUNA, COTTON-JERSEY GLOVES.

Eye Protection: SAFETY GLASSES.

Other Protective Equipment: N/P

Work Hygienic Practices: LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Health & Safety Information: TECHSPRAY P/N:1671-105

Section 9 - Physical & Chemical Properties
1671 AEROSOL, ENVI-RO-TECH DUSTER

HCC: V2

NRC/State License Number: N/P

Net Property Weight for Ammo: N/P

Boiling Point: =-32.6C, -27.F **Boiling Point Text:**

Melting/Freezing Point: **Melting/Freezing Text:** N/P

Decomposition Point: **Decomposition Text:** N/P

Vapor Pressure: N/P **Vapor Density:** 3.0

Percent Volatile Organic Content:

Specific Gravity: N/P

Volatile Organic Content Pounds per Gallon:

pH: 7-8

Volatile Organic Content Grams per Liter:

Viscosity: N/A

Evaporation Weight and Reference: >1(H₂O=1)

Solubility in Water: 0

Appearance and Odor: CLEAR WATER-WHITE LIQUID WITH LOW ODOR. DENSITY:1.202

Percent Volatiles by Volume: 100%

Corrosion Rate: N/P

Section 10 - Stability & Reactivity Data
1671 AEROSOL, ENVI-RO-TECH DUSTER

Stability Indicator: YES

Materials to Avoid:

REACTIVE ALKALI METALS, STRONG ACIDS AND BASES.

Stability Condition to Avoid:

CONTACT WITH OPEN FLAMES, AND HEAT.

Hazardous Decomposition Products:

SMOKE, FUMES, HYDROGEN FLUORIDE, CARBON DIOXIDE, CARBON MONOXIDE.

Hazardous Polymerization Indicator: N/P

Conditions to Avoid Polymerization:

N/P

Section 11 - Toxicological Information
1671 AEROSOL, ENVI-RO-TECH DUSTER

Toxicological Information:

THIS PRODUCT DOES NOT CONTAIN ANY COMPOUNDS LISTED BY NTP OR IARC OR REGULATED BY OSHA AS A CARCINOGEN.

Section 12 - Ecological Information
1671 AEROSOL, ENVI-RO-TECH DUSTER

Ecological Information:

INFORMATION NOT AVAILABLE.

Section 13 - Disposal Considerations
1671 AEROSOL, ENVI-RO-TECH DUSTER

Waste Disposal Methods:

RCRA 40 CFR 261 CLASSIFICATION: FEDERAL, STATE, AND LOCAL LAWS GOVERNING DISPOSAL OF MATERIALS CAN DIFFER. ENSURE PROPER DISPOSAL COMPLIANCE WITH PROPER AUTHORITIES BEFORE DISPOSAL.

Section 14 - MSDS Transport Information
1671 AEROSOL, ENVI-RO-TECH DUSTER

Transport Information:

DOT INFORMATION: PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D. (MUST PLACE CONSUMER COMMODITY ORM-D ON BOX. IATA: CONSUMER COMMODITY, ID 8000, HAZARD CLASS 9. A COPY OF THE DOT-E-10232 MUST BE ATTACHED TO THE SHIPMENT. CARGO AIRCRAFT ONLY. DOMESTIC SHIPMENT ONLY. WHEN SHIPPING INTERNATIONAL CONTACT TECH SPRAY SHIPPING DEPT. IMO: AEROSOLS, CLASS 2.2, UN NO. UN1950. MUST HAVE NON-FLAMMABLE LABEL.

Section 15 - Regulatory Information
1671 AEROSOL, ENVI-RO-TECH DUSTER

SARA Title III Information:

SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): NONE OF THE CHEMICALS. SECTION 311/312: MATERIAL SAFETY DATA SHEET REQUIREMENTS (40 CFR 355): THIS PRODUCT IS HAZARDOUS. IT SHOULD BE REPORTED UNDER THE FOLLOWING EPA HAZARD: IMMEDIATE (ACUTE) HEALTH HAZARD. SECTION 313: LIST OF TOXIC CHEMICALS (40 CFR 372): THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS (AT LEVELS OF 1% OR GREATER) WHICH ARE FOUND ON THE 313 LIST OF TOXIC CHEMICALS: NONE ALL SUBSTANCES ARE TSCA LISTED..

Federal Regulatory Information:

CERCLA/SUPERFUND, 40 CFR 117, 302; NONE OF THE CHEMICALS ARE SUPERFUND HAZARDS.

State Regulatory Information:

NONE OF THE CHEMICALS ARE ON THE CALIFORNIA PROPOSITION 65 LIST.

Section 16 - Other Information
1671 AEROSOL, ENVI-RO-TECH DUSTER

Other Information:

INTERNATIONAL REGULATIONS: CANADA WHMIS:NIF. EUROPE EINECS NUMBERS:
TETRAFLUOROETHANE. 811-97-2T

HMIS Transportation Information

Product Identification: 1671 AEROSOL, ENVI-RO-TECH DUSTER

Transportation ID Number: 151080

Responsible Party CAGE: 54770

Date MSDS Prepared: 01/14/1997

Date MSDS Reviewed: 01/19/2000

MFN: 01/19/2000

Submitter: D DG

Status Code: A

Container Information

Unit of Issue: BX

Container Quantity: 0

Type of Container: AEROSOL CAN

Net Unit Weight: N/P

Article without MSDS: N

Technical Entry NOS Shipping Number: (1,1,1,2-TETRAFLUOROETHANE)

Radioactivity:

Form:

Net Explosive Weight: N/A

Coast Guard Ammunition Code: N/A

Magnetism: N/P

AF MMAC Code:

DOD Exemption Number: N/A

Limited Quantity Indicator: N

Multiple Kit Number: 0

Kit Indicator: N

Kit Part Indicator: N

Review Indicator: N

Additional Data:

UNIT OF ISSUE IS BOX OF 12 AEROSOL CONTAINERS EACH <1 LITER.

Department of Transportation Information

DOT Proper Shipping Name: CONSUMER COMMODITY

DOT PSN Code: DTJ

Symbols: D

DOT PSN Modifier:

Hazard Class: ORM-D

UN ID Number:

DOT Packaging Group:

Label: NONE

Special Provision(s):

Packaging Exception:

Non Bulk Packaging: 156,306

Bulk Packaging: NONE

Maximum Quantity in Passenger Area: 30KGGROSS

Maximum Quantity in Cargo Area: 30KGGROSS

Stow in Vessel Requirements: A

Requirements Water/Sp/Other:

IMO Detail Information

IMO Proper Shipping Name: AEROSOLS o

IMO PSN Code: AKD

IMO PSN Modifier:

IMDG Page Number: 2102

UN Number: 1950

UN Hazard Class: 2(T)

IMO Packaging Group: -

Subsidiary Risk Label: T

EMS Number: 2-13

Medical First Aid Guide Number: 620

IATA Detail Information

IATA Proper Shipping Name: AEROSOLS, NON-FLAMMABLE

IATA PSN Code: ANB

IATA PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)

IATA UN Id Number: 1950

IATA UN Class: 2.2

Subsidiary Risk Class:

UN Packaging Group:

IATA Label: NON-FLAMMABLE GAS

Packaging Note for Passengers: 203

Maximum Quantity for Passengers: 75 KG

Packaging Note for Cargo: 203

Maximum Quantity for Cargo: 150KG

Exceptions:

AFI Detail Information

AFI Proper Shipping Name: AEROSOLS, NON-FLAMMABLE, N.O.S.

AFI Symbols:

AFI PSN Code: ANB

AFI PSN Modifier: ,(EACH NOT EXCEEDING 1L CAPACITY)

AFI UN Id Number: UN1950

AFI Hazard Class: 2.2

AFI Packing Group: N/A

AFI Label:

Special Provisions: P4

Back Pack Reference: A6.3

HAZCOM Label Information

Product Identification: 1671 AEROSOL, ENVI-RO-TECH DUSTER

CAGE: 54770

Assigned Individual: N

Company Name: TECH SPRAY, INC.

Company PO Box: 949

Company Street Address1: UNKNOWN

Company Street Address2: AMARILLO, TX 79105-0949 US

Health Emergency Telephone: 806-372-8523

Label Required Indicator: Y

Date Label Reviewed: 01/18/2000

Status Code: A

Manufacturer's Label Number: N/K

Date of Label: 01/18/2000

Year Procured: N/K

Organization Code: F

Chronic Hazard Indicator: N

Eye Protection Indicator: YES

Skin Protection Indicator: YES

Respiratory Protection Indicator: YES

Signal Word: WARNING

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: None

Reactivity Hazard: None

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