

TECH SPRAY INC. -- 1672-10S, ENVI-RO-TECH FREEZER 1672 AEROSOL -- 6850-01-406-1356

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

Product ID:1672-10S, ENVI-RO-TECH FREEZER 1672 AEROSOL

MSDS Date:06/12/2000

FSC:6850

NIIN:01-406-1356

Status Code:A

MSDS Number: CLCFB

=== Responsible Party ===

Company Name:TECH SPRAY INC.

Address:88 HUGHES STREET

Box:949

City:AMARILLO

State:TX

ZIP:79105

Country:US

Info Phone Num:806-372-8523/800-858-4043043

Emergency Phone Num:806-372-8523

Pr

eparer's Name:B. RIFFEL

Chemtrec Ind/Phone:(800)424-9300

CAGE:54700

=== 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:WAITE R M CO

Address:2100 EMBARCADERO SUITE 203

Box:City:OAKLAND

State:CA

ZIP:94606

Country:US

Phone:510-535-1266

Contract Num:SP0450-01-M-D929

CAGE:0V485

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

Ingred Name:1,1,1,2-TETR

AFLUOROETHANE

CAS:811-97-2

= Wt:100.

Other REC Limits:1000 PPM SUPPLIER

OSHA PEL:NIF

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION: MAJOR POTENTIAL ROUT OF EXPOSURE. MINIMAL EFFECTS OBSERVED BELOW 1000 PPM. DIZZINESS, DROWSINESS, AND THROAT IRRITATION AT LEVELS ABOVE 1,000 PPM. EYES: LIQUID CAN CAUSE SLIG

HT, TEMPORA RY IRRITATION WITH SLIGHT

TEMPORARY CORNEAL INJURY. VAPORS CAN IRRITATE EYES. SKIN: PROLONGED OR REPEATED CONTACT WITH LIQUID CAN CAUSE FREEZING OF SKIN TISSUES, DEFATTING, AND DERMATITIS. INGESTIO N: SINGLE DOSE TOXICITY IS LOW TO MODERATE. IF VOMITING OCCURS THE LIQUID CAN BE ASPIRATED INTO THE LUNGS, SHICH CAN CAUSE CHEMICAL PNEUMONIA AND SYSTEMIC EFFECTS.

Explanation of Carcinogenicity:NOT A CARCINOGEN.

Effects of Overexposure:INHALATION: DIZZINESS, DRO WSINESS, THROAT

IRRITATION, UNCONSCIOUSNESS AND DEATH, BLOOD PRESSURE DEPRESSION, CARDIAC SENSITIZATION, AND VENTRICULAR ARRHYTHMIA CAN RESULT FROM EXPOSURE TO NEAR-ANESTHE TIC LEVELS. EYES: LIQUID CAN CAUSE, IRRITATION WITH SLIGHT TEMPORARY CORNEAL INJURY. VAPORS CAN IRRITATE EYES. SKIN: CAN CAUSE FREEZING OF SKIN TISSUES, DEFATTING, AND DERMATITIS. INGESTION: IF VOMI TING OCCURS LIQUID CAN BE ASPIRATED INTO LUNGS, CAN CAUSE CHEMICAL PNEUMONIA AND SYSTEMIC EF

FECTS. HUMAN PSYCHOTROPIC GASTROINTESTINAL, AND CENTRAL NERVOUS SYSTEM EFFECTS.

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

First Aid:INHALATION: MOVE TO FRESH AIR IN CASE OF ACCIDENTAL

INHALATION OF VAPORS. IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION. CALL FOR PROMPT MEDICAL ATTENTION. EYES: FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN

CONTACT: REMOVE CONTAMINATED CLOTHING AND SHOES. FLUSH WITH LARGE AMOUNTS OF WATER . USE SOAP. INGESTION: DO NOT INDUCE VOMITING UNLESS DIRECTED BY PHYSICIAN. IF CONSCIOUS AND ALERT, GIVE 2 GLASSES OR WATER. SEEK MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:TCC  
Flash Point:NONE  
Extinguishing Media:WATER, FOAM, DRY CHEMICAL, CARBON DIOXIDE.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED, POSITIVE-PRESSURE BREATHING APPARATUS AND AVOID SKIN CONTACT.  
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 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.

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

Handling and Storage Precautions:STORAGE TEMPERATURE: AMBIENT. STORAGE PRESSURE: ATMOSPHERIC. KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN COOL, WELL VENTILATED PLACE OUT OF DIRECT SUNLIGHT AND AWAY FROM INCOMPATIBLE MATERIALS. FOLLOW ALL MSD SHEET AND LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.  
Other Precautions:NONE SPECIFIED BY MFR.

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

Respiratory Protection:IF CONCENTRATIONS ARE OVER THE EXPOSURE LIMIT AND ARE KNOWN, AIR PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES MAY BE ACCEPTABLE. REFER TO CARTRIDGES FOR ACCEPTABLE LEVELS. IF CONCENTRATIONS ARE OVER EXPOSURE LIMIT AND ARE UNKNOWN, USE A SUPPLIED AIR RESPIRATOR.  
Ventilation:LOCAL EXHAUST VENTILATION ACCEPTABLE.  
Protective Gloves:SOLVEX, BUTYL, NEOPRENE OR BUNA GLOVES RECOMMENDED.  
Eye Protection:SAFETY GLASS

ES.  
Other Protective Equipment:NONE  
Work Hygienic Practices:NONE  
Supplemental Safety and Health  
NONE

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

HCC:V2  
Boiling Pt:=-16.C, 3.2F  
Melt/Freeze Pt:M.P/F.P Text:NIF  
Vapor Density:3.0(AIR=1)  
pH:7-8  
Evaporation Rate & Reference:>1, WATER=1  
Solubility in Water:0, INSOLUBLE.  
Appearance and Odor:CLEAR WATER-WHITE LIQUID WITH LOW ODOR.  
Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====  
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Stability Indicator/Materials to Avoid:YES  
REACTIVE ALKALI METALS, STRONG ACIDS AND BASES.  
Stability Condition to Avoid:CONTACT WITH OPEN FLAME, HEAT.  
Hazardous Decomposition Products:HYDROGEN FLUORIDE, CARBON DIOXIDE, AND  
CARBON MONOXIDE.

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

Toxicological Information:RESULTS OF COMPONENT TOXICOLOGY TEST  
PERFORMED: INFORMATION NOT AVAILABLE. HUMAN EXPERIENCE:  
INFORMATION NOT AVAILABLE.

===== E  
cological Information =====

Ecological:FURTHER INFORMATION: INFORMATION NOT AVAILABLE.

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

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.

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

Transport Information:U.S. DOT INFORMATIO

N:PROPER SHIPPING NAME:

CONSUMER COMMODITY ORM-D HAZARD CLASS: N/A. PACKAGING GROUP: N/A.

UN NUMBER: N/A. LIMITATIONS: MUST PLACE CONSUMER COMMODITY ORM-D ON BOX. MUST HAVE A COPY OF DOT-E-10232 WITH EACH SHIPMENT. IATA PROPER SHIPPING NAME: CONSUMER COMMODITY HAZARD CLASS: 9 PACKING GROUP: N/A. UN NUMBER: ID8000 LIMITATIONS: A COPY OF DOT-E-10232 MUST BE ATTACHED TO. SHIPMENT. DOMESTIC SHIPMENTS ONLY. WHEN SHIPPING INTERNATIONAL CONTACT TECH SPRAY SHIPPING DEPARTMENT. MUST

HAVE A COPY OF DOT-E-10232 WITH SHIPMENT. IMO PROPER SHIPPING NAME: AEROSOLS IN LIMITED QUANTITIES CLASS: 2.2 UN NUMBER: UN1950.

===== Regulatory Information =====

SARA Title III Information:SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): NONE OF THE CHEMICALS ARE SECTION 302 HAZARDS. SECTION 311/312 - MATERIAL SAFETY DATA SHEET REQUIREMENTS (40 CFR 370) BY OUR HAZARD EVALUATION, THIS PRODUCT IS HAZARDOUS. IT SHOULD BE REPORTED UNDER THE FOLLOWING EPA HAZARD. (X) IMMEDIATE (ACUTE) HEALTH HAZARD. SECTION 313 - LIST OF TOXIC CHEMICALS (40 CFC 372): THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS (AT LEVELS OF 1% OR GREATER) WHICH ARE FOUND ON THE 313 LIST OF TOXIC CHEMICALS: NONE OF THE CHEMICALS ARE 313 TOXIC CHEMICALS.

Federal Regulatory Information:TOXIC SUBSTANCE CONTROL ACT (TSCA): ALL SUBSTANCES ARE TSCA LISTED. FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT,

40 CFR 401.15 (FORMERLY SECTION 307), 40 CFR 116 (FORMELY SECTION 311) THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS WHICH ARE LISTED: CLEAN AIR ACT: ---NO INFORMATION--. CERCLA/SUPERFUND, 40 CFR 117, 302: ---NONE OF THE CHEMICALS ARE SUPERFUND HAZARDS---.

State Regulatory Information:CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS THE FOLLOWING INGREDIENTS WHICH APPEAR ON THE CALIFORNIA PROPOSITION 65 LIST: CHEMICAL C.A.S. NUMBER WEIGHT % --- NONE OF THE CHEMICALS ARE ON THE PROPOSITION 65 LIST --- .

===== Other Information =====

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