

CHEMTRONICS INC -- FREEZ-IT 2000, P/N ES1050, ES1250, ES1550 -- 6850-01-333-1841

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Product Identification
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Product ID:FREEZ-IT 2000, P/N ES1050, ES1250, ES1550

MSDS Date:01/30/1997

FSC:6850

NIIN:01-333-1841

MSDS Number: BXYGK

=== Responsible Party ===

Company Name:CHEMTRONICS INC

Address:8125 COBB CENTER DR

City:KENNESAW

State:GA

ZIP:30144

Country:US

Info Phone Num:800-832-4401; 800-645-

5244

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's Name:DR. MO TAZI

CAGE:2M589

=== Contractor Identification ===

Company Name:CHEMTRONICS INC

Address:8125 COBB CENTER DRIVE

Box:City:KENNESAW

State:GA

ZIP:30152

Country:US

Phone:770-424-4888/800-645-5244

CAGE:21267

Company Name:CHEMTRONICS INC (CANCELLED USE 21267)

City:HAUPPAUGE

State:NY

ZIP:11760

Country:US

CAGE:2M589

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Composition/Information on Ingredients
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Ingred Name:TETRAFLUOROETHANE

CAS:811-97-2

Fracti

on by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ALC (RATS) = 567,000 PPM/4 HOURS

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

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

Health Hazards Acute and Chronic:CLEAR COLORLESS LIQUIFIED GAS. THIS PRODUCT IN NONFLAMMABLE. EXPOSURE TO LIQUID MAY CAUSE FROSTBITE. HMIS:ASPHYXIANT. HIGH CONCENTRATIONS MAY REDUCE OXYGEN CONTENT OF AIR TO BE

LOW THAT NECESSARY TO SU STAIN LIFE.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYES:CONTACT W/LIQUID IS IRRITATING & MAY CAUSE FROSTBITE. SKIN:CAN CAUSSE FROSTBITE, PROLONGED CONTACT MAY CAUSE IRRITATION. INGESTION:UNLIKELY. CONTACT W/LIQUID MAY CAUSE FROSTBITE OF MOUTH, THROAT. INHALATION:HARMFUL IF INHALED. HIGH CONCENTRATIONS CAN DISPLAC

E OXYGEN & CAUSE DIZZINESS, UNCONSCIOUSNESS, DEATH.

Medical Cond Aggravated by Exposure:HEART, LUNG, SKIN, EYE.

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

First Aid:EYES, SKIN:TREAT FOR FROSTBITE & GET IMMEDIATE MEDICAL ATTENTION SHOULD SYMPTOMS OCCUR OR ANT IRRITATION PERSISTS. INGESTION:TREAT FOR FROSTBITE. GET MEDICAL ATTENTION. LESS THAN AN OUNCE SHOULD CAUSE NO HARM. INHALATION:REMOVE TO FRESH AIR. AID OR RESTORE BREATHING AS NEEDED. GET MEDIC
AL ATTENTION.

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

Flash Point Method:TCC

Flash Point:NONE TO BOILING

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:USE ALCOHOL FOAM, CARBON DIOXIDE OR WATER SPRAY WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.

Fire Fighting Procedures:AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND, MSHA/NIOSH APPROVED OR EQUIVALENT) & FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:NONE

SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SHUT OFF LEAK IF SAFE. WEAR SCBA & PROTECTIVE EQUIPMENT. ABSORB SPILL W/INERT MATERIAL & PLACE IN CHEMICAL WASTE CONTAINER FOR PROPER DISPOSAL. DO NOT FLUSH TO SEWER. AVOID RUNOFF TO STORM SEWERS & DITCHES WHICH LEAD TO WATERWAYS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and

Storage Precautions:STORE IN A COOL DRY PLACE AWAY FROM HEAT, SPARKS,FLAME. DO NOT STORE IN DIRECT SUNLIGHT. AVOID PROLONGED OR REPEATED CONTACT W/SKIN,EYES,CLOTHING.

Other Precautions:AVOID BREATHING PRODUCT VAPOR OR MIST. DO NOT REUSE CONTAINER. WASH HANDS BEFORE EATING. USE W/ADEQUATE VENTILATION. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:WEAR A POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR IN SITUATIONS WHERE THERE MAY BE POTENTIAL FOR AIRBORNE EXPOSURE.

Ventilation:GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT. USE LOCAL EXHAUST TO CONTROL CONTAMINANTS TO BELOW THEIR TLV'S.

Protective Gloves:RUBBER OR OTHER CHEMICALLY RESISTANT

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:ADD A FACE SHIELD TO EITHER EYE PROTECTION ABOVE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE

EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:V2

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:-16F,-27C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:4730

Vapor Density:3.18

Spec Gravity:1.21

Evaporation Rate & Reference:>1 (N-BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR, COLORLESS LIQUID

FIED GAS, SLIGHT ETHEREAL
ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

DO NOT MIX W/POWDERED ALKALI & ALKALINE EARTH METALS, STRONG OXIDIZING
AGENTS.

Stability Condition to Avoid:DO NOT SPRAY NEAR OPEN FLAMES, RED HOT
SURFACES OR OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE
HYDROFLUORIC ACID AND POSSIBLY CARBONYL HALIDES.

Condi

tions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF I/A/W FEDERAL, STATE & LOCAL
REGULATIONS. WATER RUN-OFF CAN CAUSE ENVIRONMENTAL DAMAGE.

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