

CHEMTRONICS INC -- TUNER RENU 2000,ES 1661 -- 6850-01-394-9514

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

Product ID:TUNER RENU 2000,ES 1661

MSDS Date:10/22/1997

FSC:6850

NIIN:01-394-9514

MSDS Number: BWCLP

=== Responsible Party ===

Company Name:CHEMTRONICS INC

Address:8125 COBB CENTER DRIVE

City:KENNESAW

State:GA

ZIP:30144

Country:US

Info Phone Num:800-645-5244 FAX 770-424-4267

Emergency Phone Num:770-42

4-4888/800-424-9300(CHEMTRAK)

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

Company Name:ELECTRONIC TOOL COMPANY, INC.

Address:241 BLEAKLEY AVE

Box:158

City:BUCHANAN

State:NY

ZIP:10511

Country:US

Phone:914-769-1000

CAGE:51380

Company Name:THOM

PERSON ELECTRONIC SUPPLIES INC

Box:UNKNOWN

CAGE:1F026

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

Ingred Name:1,1-DICHLORO-1-FLUOROETHANE (SARA 313)

CAS:1717-00-6

RTECS #:KI0997000

Fraction by Wt: 45 - 50%

Other REC Limits:NONE RECOMMENDED

Ozone Depleting Chemical:2

Ingred Name:PERFLUORO COMPOUNDS, C5-18

CAS:86508-42-1

Fraction by Wt: 45 - 50%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SYNTHETIC OIL

Fraction by Wt: 1 - 5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:

e:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 1 - 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;96

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

LD50 LC50 Mixture:LD50(ORAL,RAT)>5G/KG DICHLOROFLUOROETHAN

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

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

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

Effects of Overexposure:ASPHYXIATION, IRRITATION, SKIN DEFATTING, DIZZINESS, HEADACHE, UNCONSCIOUSNESS, PAIN

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, CNS MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR

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AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK 2 GLASSES OF WATER. SEEK IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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Fire Fighting Measures  
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Flash Point Method:TCC

Flash Point:NONE

Lower Limits:NOT GIVEN

Upper

Limits:NOT GIVEN

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE (CO2), WATER STREAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF HAZARDOUS DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:MAY FORM HYDROGEN FLUORIDE, HYDROGEN CHLORIDE, CARBON MONOXIDE, CARBON DIOXIDE.

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Accidental Release Measures  
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Measures

Spill Release Procedures:REMOVE OPEN FLAMES. VENTILATE AREA. PLACE LEAKING CONTAINERS OUTDOORS, IN AN OPEN CONTAINER. ALLOW PRESSURE TO DISSIPATE. ABSORB LIQUID WITH INERT ABSORBENT MATERIALS AND PLACE IN CONTAINER FOR DISPOSAL. DO NOT FLUSH TO SEWER OR WATERWAYS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN COOL, DRY, WELL-VENTILATED

AREA AWAY FROM OPEN FLAMES, HOT SURFACES & INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:AVOID BREATHING VAPORS. AVOID EYE OR SKIN CONTACT. WASH WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING OR DRINKING. USE WITH ADEQUATE VENTILATION. DO NOT INCINERATE CONTAINERS. FOR INDUSTRIAL USE ONLY.

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Exposure Controls/Personal Protection  
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Respiratory Protection:WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS

ERATED IN POSITIVE PRESSURE MODE OR SUPPLIED-AIR  
RESPIRATOR WITH FULL FACEPIECE IF VAPOR CONCENTRATIONS ARE HIGH.  
Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP VAPOR  
LEVELS AS LOW AS POSSIBLE.  
Protective Gloves:CLOTH-LINED RUBBER GLOVES/PVA  
Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES  
Other Protective Equipment:SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD  
BE LOCATED NEARBY. WEAR APPROPRIATE PROTECTIVE CLOTHING FOR RISK OF  
EXPOSURE.  
Work Hygienic Practices:O  
BSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.  
Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC:V2  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:=32.2C, 90.F  
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN  
Decomp Temp:Decomp Text:NOT GIVEN  
Vapor Pres:NOT GIVEN  
Vapor Density:NOT GIVEN  
Spec Gravity:1.57  
Viscosity:NOT KNOWN  
Evaporation Rate & Reference:>1 (N-BUTYL ACETATE=1)  
Solubility in Water:NE  
GLIGIBLE  
Appearance and Odor:CLEAR, COLORLESS LIQUID - ETHEREAL ODOR  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
POWDERED ALKALI AND ALKALINE EARTH METALS, STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:OPEN FLAME, EXTREMELY HOT METAL SURFACES,  
HIGH TEMPERATURES  
Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE, CARBON  
DIOXIDE, HYDROGEN FLUORIDE, HYDROGEN CHLORIDE.

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

Waste Disposal Methods: ALL USED OR UNUSED PRODUCT SHOULD BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE. DO NOT REUSE CONTAINERS.

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