

CHEMTRONICS INC -- ELCTRONICS CLEANER/DEGREASER 2000 -- 6850-01-393-9049

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

Product ID:ELCTRONICS CLEANER/DEGREASER 2000

MSDS Date:01/26/1997

FSC:6850

NIIN:01-393-9049

MSDS Number: BWNSP

=== Responsible Party ===

Company Name:CHEMTRONICS INC

Address:8125 COBB CENTER DRIVE

City:KENNESAW

State:GA

ZIP:30144

Country:US

Info Phone Num:404-424-4888

Emergency Phone Num:404

-424-4888/800-424-9300(CHEMTREC)

Preparer's Name:MICHAEL S. WATKINS

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

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

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

CAS:171

7-00-6  
RTECS #:KI0997000  
Fraction by Wt: 90-95%  
Other REC Limits:NONE RECOMMENDED  
Ozone Depleting Chemical:2

Ingred Name:ETHYL ALCOHOL (ETHANOL)  
CAS:64-17-5  
RTECS #:KQ6300000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9596

Ingred Name:METHYLCYCLOHEXANE  
CAS:108-87-2  
RTECS #:GV6125000  
Fraction by Wt: 0.1-1.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:500 PPM  
ACGIH TLV:400 PPM; 9596

Ingred Name:CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF6400000  
Fract  
ion by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;96

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES-LIQUID, AEROSOLS & VAPORS ARE  
IRRITATING. SKIN-CONTACT CAUSES SKIN IRRITATION. INGESTION-HARMFUL  
IF SWALLOWED. IRRITATING TO MOUTH,THROAT & STOMACH.  
INHALATION-HARMFUL IF  
INHALED.

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-CAN CAUSE PAIN, TEARING, REDDENING &  
SWELLING. INGESTION-MAY CAUSE VOMITING. INHALATION-HIGH  
CONCENTRATIONS OF VAPORS IN IMMEDIATE AREA CAN DISPLACE OXYGEN AND  
CAUSE DIZZINESS, UNCONSCIOUSNESS, A ND EVEN DEATH WITH LONGER  
EXPOSURE. KEEPPEOPLE AWAY FROM SUCH VAPORS WITHOUT SELF-CONTAINED

## BREATHING APPARATUS.

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

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

First Aid:EYES-IMMEDIATELY FLUSH WITH PLENTY OF WATER. HAVE EYES EXAMINED. SKIN-WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION FOR IRRITATION. INGESTION-DO NOT INDUCE VOMITIN G, BUT GIVE 1 OR 2 GLASSES OF WATER TO DRINK AND GET IMMEDIATE MEDICAL ATTENTION. INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING, CPR OR OXYGEN. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:NONE TO BOILING

Lower Limits:7.4

Upper Limits:15.5

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

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND, MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEA

R.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SMALL SPILL: ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH) THEN PLACE IN A CHEMICAL WASTE CONTAINER FOR PROPER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT REUSE THIS CONTAINER. STORE IN A C

OO L DRY PLACE AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID DIRECT SUNLIGHT.

Other Precautions:AVOID PROLONGED OE REPEATED CONTACT WITH EYES, SKIN AND CLOTHING. WASH HANDS BEFORE EATING. USE WITH ADEQUATE VENTILATION. AVOID BREATHING PRODUCT VAPOR OR MIST.

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

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

RNE EXPOSURE.

Ventilation:GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT. LOCAL EXHAUST VENTILATION MAY BE NECESSARY.

Protective Gloves:RUBBER/CHEMICAL RESISTANT GLOVES.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health  
NONFLAMMABLE GAS.

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

HCC:V2

Boiling Pt:=32.2C, 90.F

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:493 @70F

Vapor Density:>1

Spec Gravity:1.23

Viscosity:1

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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID. ETHEREAL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

DO NOT MIX WITH POWDERED ALKALI AND ALKALINE EARTH METALS OR STRONG OXIDIZING AGENTS.

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

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE & INCOMPLETELY BURNED HYDROCARBONS, HYDROCHLORIC AND HYDROFLUORIC ACID VAPOR.

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

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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE  
AND LOCAL REGULATIONS. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.

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