

CHEMTRONICS INC -- E-SERIES ELECTRONICS CLEANER/DEGREASER 2000 -- 6850-01-393-9049  
===== Product Identification =====

Product ID:E-SERIES ELECTRONICS CLEANER/DEGREASER 2000

MSDS Date:08/19/1994

FSC:6850

NIIN:01-393-9049

MSDS Number: BWNSN

=== 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

Eme

rgency Phone Num:404-424-4888

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:DICHLOROFLUOROETHANE

CAS:1717-00-6

Fraction by Wt

: 90-95%  
Other REC Limits:NONE RECOMMENDED  
Ozone Depleting Chemical:2

Ingred Name:DENATURED ALCOHOL (MIXTURE OF ETHANOL, ETHYL ACETATE,  
METHANOL, METHYL ISOBUTYL KETONE)  
Other REC Limits:NONE RECOMMENDED

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; 9394

Ingred Name:CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF6400000  
Fraction by Wt: 1.0-5.0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:50  
00 PPM  
ACGIH TLV:5000PPM/30000STEL;94

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

LD50 LC50 Mixture:INHALATION LD50 (RAT) IS >5 MG/KG  
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  
BREA

THING APPARATUS.

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

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===== 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-INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL.KEEP HEAD BELOW KNEES. GET IMMEDIATE MEDICAL ATTENTION. INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING, CPR OR OXYGEN. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC  
Flash Point:NONE TO BOILING  
Lower Limits:7.6  
Upper Limits:17.7  
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 GEAR.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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===== 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.

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

Handling and Storage Precautions:DO NOT REUSE THIS CONTAINER. STORE IN A COOL DRY PLACE AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID DIRECT SUNLIGHT.  
Other Precautions:AVOID PROLONGED OR REPEATED CONTACT WITH EYES, SKIN AND CLOTHING. WASH HANDS BEFORE EATING. USE WITH ADEQUATE VENTILATION. AVOID BREATHING PRODUCT VAPOR OR MIST.

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===== 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. LOCAL EXHAUST VENTILATION MAY BE NECESSARY.

Protective Gloves:RUBBER/CHEMICAL RESISTANT GLOVES.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONFLAMMABLE GAS.

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

HCC:V2

Boiling Pt:=32.2C, 90.F

M

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:10 PSIA

Vapor Density:>1

Spec Gravity:1.23

pH:NA

Viscosity:1

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

Solubility in Water:MODERATE

Appearance and Odor:CLEAR, COLORLESS LIQUID. ETHERAL 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:THERMAL DECOMPOSITION MAY RELEASE CARBON MONOXIDE, CARBON DIOXIDE & INCOMPLETELY BURNED HYDROCARBONS.

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

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

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