

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 =====

=====

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

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.