

CHEMTRONICS INC -- ULTRAJET 2000 SYSTEM REFILL ES520/ES1020/ES1020K/ES1020R --  
6350-01-261-9862

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

Product ID:ULTRAJET 2000 SYSTEM REFILL ES520/ES1020/ES1020K/ES1020R

MSDS Date:07/13/1994

FSC:6350

NIIN:01-261-9862

MSDS Number: CCLZC

=== 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

Emergency Phone Num:800-424-9300 CHEMTREC

Preparer's Name:MICHAEL S. WATKINS

CAGE:2M589

=== Contractor Identification ===

Company Name:CHEMTRONICS INC (CANCELLED USE 21267)

City:HAUPPAUGE

State:NY

ZIP:11760

Country:US

CAGE:2M589

Company Name:SIGNALTONE INC

Address:946 FRISBIE ST.

Box:City:CADILLAC

State:MI

ZIP:49601

Country:US

Phone:616-775-1373

CAGE:64189

Company Name:SUPPLY DEPOT INC

Address:2830 VIA ORANGE WAY

Box:UNKNOW

City:SPRING VALLEY

State:CA

ZIP:91978

Country:US

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Composition/Information on Ingredients  
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Ingred Name:TETRAFLUOROETHANE  
CAS:811-97-2  
Fraction by Wt: 100%  
Other REC Limits:100 PPM AEL-DUPONT

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Hazards Identification  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: HARMFUL IF IN  
HALED; MAY CAUSE  
ASPHYXIATION. CONTACT WITH LIQUID MAY CAUSE FROSTBITE, IRRITATION.  
INGESTION MAY CAUSE FROSTBITE OF MOUTH & THROAT TISSUES. CHRONIC:  
NONE SPECIFIED BY MANUFACTURER .  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:INHALED-DIZZINESS, UNCONSCIOUSNESS, DEATH.  
SKIN-IRRITATION, FROSTBITE. EYES-IRRITATION, FROSTBITE.  
INGESTED-FROSTBITE OF MOUTH & THROAT

Medical Cond Aggravated by Exposure:PRE-EXISTING MEDICAL CONDITONS OF  
THE HEART, LUNG, SKIN, EYE.

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First Aid Measures  
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First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-TREAT FOR FROSTBITE  
THEN FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED  
CLOTHES. TREAT FOR FROSTBITE THEN WASH WITH MILD SOAP & WATER.  
INHALED-REMOV E TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL  
RESPIRATION AS NEEDED. INGESTED-TREAT FRO FROSTBIT  
E & OBTAIN  
IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point Method:TCC  
Flash Point:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, DRY CHEMICAL,  
ALCOHOL FOAM WHEN EXTINGUISHING FIRES INVOLVING THIS MATERIAL.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
FULL FIRE FIGHTER'S PROTECTIVE GEAR. USE WATER TO COOL FIRE EXPOSED  
CONTAINERS.  
Unusual Fire/Explosi

on Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SHUT OFF LEAK IF POSSIBLE & SAFE TO DO SO.  
WEAR SELF-CONTAINED BREATHING APPARATUS & APPROPRIATE PERSONAL  
PROTECTIVE GEAR. ABSORB SPILL WITH INERT MATERIAL & PLACE IN A  
CONTAINER FOR DISPOSAL. DO NOT FLUSH TO SEWER. KEEP OUT OF  
WATERWAYS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE AWAY FROM  
HEAT & OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT  
STORE IN DIRECT SUNLIGHT.

Other Precautions:KEEP OUT OF REACH OF CHILDREN. AVOID PROLONGED OR  
REPEATED CONTACT WITH SKIN, EYES, CLOTHING. WASH HANDS BEFORE  
EATING. USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR OR  
MIST.

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

Respiratory Protection:IF ENGINEER  
ING CONTROLS FAIL OR NON-ROUTINE USE  
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED AIR-SUPPLIED  
RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE GOOD GENERAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN  
EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER OR CHEMICALLY RESISTANT GLOVES.

Eye Protection:SAFETY GLASSES W/FACESHIELD.

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,  
DRINKING,  
OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

MSDS IS FOR REFILL CYLINDER FOR SIGNALTONE-NEIMAN PART NUMBER 65800  
"BIG HORN".

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

HCC:V2

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

Vapor Pres:4241

Vapor Density:3.18

Spec Gravity:1.21

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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS GAS; SLIGHT ETHEREAL ODOR.

Percent Volatiles

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

Stability Indicator/Materials to Avoid: YES

DO NOT MIX WITH POWDERED ALKALI & 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 HYDROFLUORIC ACID VAPOR.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

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

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