

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:UNKNOWN

City:SPRING VALLEY

State:CA

ZIP:91978

Country:US

Phone:619-660-2813/FAX 800-236-5519  
CAGE:04ZR5

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

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

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

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 INHALED; 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 CONDITIONS OF THE HEART, LUNG, SKIN, EYE.

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

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-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-TREAT FOR FROSTBITE & OBTAIN IMMEDIATE MEDICAL ATTENTION.

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

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 =====  
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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.

===== Di  
sposal 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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