

CROWN NORTH AMERICAN PROFESSIONAL PRODUCTS -- 8009, 8010, 8011, POWER PAK --  
4940-00-803-6444

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

Product ID:8009, 8010, 8011, POWER PAK

MSDS Date:12/13/1994

FSC:4940

NIIN:00-803-6444

Status Code:A

MSDS Number: CLHHW

=== Responsible Party ===

Company Name:CROWN NORTH AMERICAN PROFESSIONAL PRODUCTS

Address:1500 MCCONNELL RD

City:WOODSTOCK

State:IL

ZIP:60098-7310

Coun

try:US

Info Phone Num:800-766-7655

Emergency Phone Num:800-766-7655

Preparer's Name:JOSEPH D. SZUMLAS

CAGE:02HV1

=== Contractor Identification ===

Company Name:CROWN NORTH AMERICAN PROFESSIONAL PRODUCTS

Address:1500 MCCONNELL RD

Box:City:WOODSTOCK

State:IL

ZIP:60098-7310

Country:US

Phone:800-766-7655

CAGE:02HV1

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

Ingred Name:CHLORODIFLUOROMETHANE

CAS:75-45-6

RTECS #:PA6390000

Minumum % Wt:31.

Maxumum % Wt:50.

ACGIH TLV:3540 MG/

M3;1000 PPM  
Ozone Depleting Chemical:2

Ingred Name:1-CHLORO-1,1-DIFLUOROETHANE  
CAS:75-68-3  
RTECS #:KH7650000  
Minumum % Wt:51.  
Maxumum % Wt:70.  
Ozone Depleting Chemical:2

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: INHALATION OF HIGH  
CONCENTRATIONS OF VAPOR IS HARMFUL AND MAY CAUSE HEART  
IRREGULARITIES, UNCONSC  
IOUSNESS, OR DEATH. INTENTIONAL MISUSE CAN  
BE FATAL. VAPOR REDUCES OXYGEN AVAILABLE FOR BRE ATHING AND IS  
HEAVIER THAN AIR. LIQUID CONTACT CAN CAUSE FROSTBITE. INGESTION:  
NOT LIKELY, LOW TOXICITY. EYE: MAY CAUSE FROSTBITE IF EXPOSED TO  
DIRECT SPRAY. SKIN CONTACT: NOT READILY ABSORBED THROUGH THE SKIN.  
SKIN ABSORPTION: NOT LIKELY IN TOXIC AMOUNTS. TARGET ORGANS: MAY  
RESULT IN LUNG, KIDNEY AND LIVER DAMAGE.

Explanation of Carcinogenicity:NONE KNOWN

Effects of Overexposure:

INHALATION: INHALATION OF HIGH CONCENTRATIONS  
OF VAPOR IS HARMFUL AND MAY CAUSE HEART IRREGULARITIES,  
UNCONSCIOUSNESS, OR DEATH. INTENTIONAL MISUSE CAN BE FATAL. VAPOR  
REDUCES OXYGEN AVAILABLE FOR BRE ATHING AND IS HEAVIER THAN AIR.  
LIQUID CONTACT CAN CAUSE FROSTBITE. INGESTION: NOT LIKELY, LOW  
TOXICITY. EYE: MAY CAUSE FROSTBITE IF EXPOSED TO DIRECT SPRAY. SKIN  
CONTACT: NOT READILY ABSORBED THROUGH THE SKIN. SKIN ABSORPTION:  
NOT LIKELY IN TOXIC AMOUNTS.

Medical Cond

Aggravated by Exposure:PERSONS WITH CARDIAC ARRYTHMIA MAY  
BE AT INCREASED RISK IN SEVERE EXPOSURE. AVOID EPINEPHRINE OR  
SIMILAR DRUGS.

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

First Aid:CALL A PHYSICIAN OR A POISON CONTROL CENTRE. EYES: FLUSH WITH  
WATER FOR 15 MINUTES OR UNTIL IRRITATION SUBSIDES. SKIN: REMOVE ALL  
CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER.  
INHALATION: R EMOVE FROM EXPOSURE IMMEDIATELY. IF BREATHING IS  
IRREGULAR

OR STOPPED, BEGIN ARTIFICIAL RESPIRATION AND ADMINISTER  
OXYGEN. INGESTION: NOT CONSIDERED A POTENTIAL ROUTE OF EXPOSURE.

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

Flash Point Method:TCC  
Flash Point:NONE  
Lower Limits:6.7  
Upper Limits:14.9  
Extinguishing Media:CARBON DIXIDE, FOAM, DRY CHEMICAL.  
Fire Fighting Procedures:FIREFIGHTERS SHOULD USE A SELF-CONTAINED  
POSITIVE PRESSURE BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:TREAT AS CYLINDERS OF COMPRESSED GA  
S.

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

Spill Release Procedures:VENILATE AREA. REMOVE ALL SOURCES OF IGNITION.  
CLEAN UP WITH INERT MATERIALS AND DISPOSE OF IN ACCORDANCE WITH ALL  
LOCAL, STATE AND FEDERAL REGULATIONS.

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

Handling and Storage Precautions:AEROSOL CONTAINER: DO NOT STORE IN  
DIRECT SUNLIGHT, NEAR OPEN FLAMES, OR AT TEMPERATURES EXCEEDING 120  
F. DO NOT SMOKE WHILE SPRAY  
ING. USE ONLY AS DIRECTED. INTENTIONAL  
MISUSE BY DELIBERATELY CONCENTR ATING VAPORS AND INHALING CONTENTS  
CAN BE HARMFUL OR FATAL.

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

Respiratory Protection:RESPIRATORY PROTECTION PROGRAM SHOULD BE IN  
ACCORDANCE WITH 29 CFR 1910.134.  
Ventilation:LOCAL EXHAUST IS ADEQUATE.  
Protective Gloves:POLYETHYLENE OR NEOPRENE.  
Eye Protection:SAFETY GLASSES ARE RECOMMENDED.  
Other Protective Equipment:PROTECTIVE CLOTHING AND EQUIPM  
ENT: SEE 29  
CFR 1910.133 & 132.  
Work Hygienic Practices:WASH SKIN WITH SOAP AND WATER.  
Supplemental Safety and Health  
KIT CONSISTS OF SPRAY DEVICES 6; PROPELLANT CANS 10; PRODUCT JARS  
W/LIDS 4; DIP TUBES 20.

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

HCC:V2  
Boiling Pt:B.P. Text:NA  
Vapor Pres:65-70 PSIG AEROSOL  
Vapor Density:>1  
Spec Gravity:>1  
Evaporation Rate & Reference:>1 (ETHER=1)  
Solubility in Water:NEG.  
Appearance and Odor:CLEAR, COLORLESS / ETHERAL O

DOR.  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid: YES  
ALKALI OR ALKALINE EARTH METALS-POWDERED AL, ZN, BE ETC.  
Stability Condition to Avoid: OPEN FLAME AND HIGH TEMPERATURES.  
Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY PRODUCE  
HYDROCHLORIC AND HYDROFLUORIC ACIDS AND POSSIBLY CARBONYL HALIDES.  
Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: AEROSOL CONTAINER: DO NOT PUNCTURE OR  
INCINERATE. EMPTY CONTAINERS MAY BE DISPOSED OF THROUGH NORMAL  
CHANNELS. FULL OR PARTIALLY FILLED CONTAINERS ARE CONSIDERED  
HAZARDOUS WASTE.

===== MSDS Transport Information =====

Transport Information: DOT CLASSIFICATION: AEROSOL, NON-FLAMMABLE,  
UN1950. LABEL: NON-FLAMMABLE GAS.

===== Regulatory Information =====

SARA Title I  
II Information: THIS PRODUCT CONTAINS THE FOLLOWING  
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF  
EPCRA (40 CFR 372): CHLOROFLUOROMETHANE (75-45-6) 40%,  
CHLORODIFLUOROETHANE (75-68-3) 60%.

===== Other Information =====

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.