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Product ID: ISOTRON 12 MSDS Date:10/10/1983 FSC:6830 NIIN:00-106-1656 MSDS Number: BHCFJ === Responsible Party === **Company Name: PENNWALT CORPORATION** Address: THREE PARKWAY City:PHILADELPHIA State:PA ZIP:19102 Info Phone Num:215-587-7711 Emergency Phone Num:215-587-7711 Preparer's Name: TOM DOYLE CAGE:7K913 === Contractor Identification === Company Name: PENNWALT CORPORATION/ELF ATOCHEM NORTH AMERICA Address: THREE PARKWAY City:PHILADELPHIA State:PA ZIP:19102 Phone:215-587-7711 CAGE:7K913 

Ingred Name:DICHLORODIFLUOROMETHANE (SARA III) CAS:75-71-8 RTECS #:PA8200000 Fraction by Wt: 100% Other REC Limits:NONE SPECIFIED BY M. OSHA PEL:1000 PPM ACGIH TLV:1000 PPM; 9192 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ozone Depleting Chemical:1 LD50 LC50 Mixture:ORAL LD50 (RAT) = >1000MG/KG Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: ACUTE: MAY CAUSE EYE & SKIN IRRITATION. INHALATION MAY CAUSE DIZZINESS, UNCONCIOUSNESS, DIFFICULTY IN BREATHING OR DEATH. BREATHING HIGH CONCENTRATIONS CAN CAUSE IRREGULAR AND RAPID HEART BEAT, CHRONI C: PROLONGED OR REPEATED CONTACT WITH GAS ON THE SKIN OR IN EYES CAN CAUSE IRRITATION. BREATHING MAY CAUSE DEATH. Effects of Overexposure: HEADACHE, DIZZINESS, DROWSINESS, NAUSEA, TINGLING OR NUMBNESS OF THE EXTREMITIES, SENSES OF FULLNESS IN THE HEAD, SENSE OF WARMTH, STUPOR OR DULLNESS, LETHARGY AND DRUNKENESS. VERY HIGH CONCENTRATIONS MAY LEAD TO UNCONSCIOUSNESS OR EVEN DEATH IN CONFINED OR POORLY VENTILATED AREAS. Medical Cond Aggravated by Exposure: PEOPLE WITH KNOWN HISTORY OF HEART DISEASE OR IRREGULARITIES OF HEARTBEAT SHOULD BE PARTICULARLY CAREFUL TO AVOID OVEREXPOSURE TO THESE VAPORS. First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. KEEP VICTIM QUIET, DO NOT GIVE STIMULANTS. NARCOTIC EFFECT. DENSE VAPORS MAY REMA IN IN LUNGS. MAY CAUSE MILD IRRITATION. EYE: FLUSH **IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15** MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER PROMPTLY. GET MEDICAL ATTENTION.

Flash Point:NOT FLAMMABLE

Fire Fighting Procedures:WEAR SCBA IF FIGHTING FIRES NEAR THIS PRODUCT DUE TO TOXIC THERMAL DECOMPOSITION PRODUCTS. KEEP CONTAINER COOL. Unusual Fire/Explosion Hazard:MAY DECOMPOSE IN CONTACT WITH FLAMES, HEATING ELEMENTS, OR IN GAS ENGINES(EXTREME HEAT) RELEASING IRRITATING, TOXIC AND

## CORROSIVE GASES.

Spill Release Procedures: KEEP UPWIND, EVACUATE ENCLOSED SPACE. DISPERSE GAS WITH FLOOR-LEVEL FORCED AIR VENTILATION OR WATER SPRAY. DO NOT SMOKE. REMOVE FLAMES, HEATING ELEMENTS, GAS ENGINES, ETC. Neutralizing Agent: NONE

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE.

KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions: EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES. DO NOT BREATH DUST, VAPOR, MIST OR GAS. DO NOT GET IN EYES OR ON SKIN.

Respiratory Protection: SELF-CONTAINED, SUPPLIED AIR.

Ventilation:LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 50% OF TLV.

Protective Gloves:SYNTHETIC RUBBER

Eye Protection: CHEMICAL SAFETY GOGGLES & FACE SHIEL D.

Other Protective Equipment: APRON AND WORK CLOTHING TO MINIMIZE

EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices: WASH THOROUGHLY AFTER USE AND BEFORE EATING,

SMOKING OR USING TOILET FACILITIES. DO NOT BREATH VAPORS OR MIST. Supplemental Safety and Health

HCC:G3 Boiling Pt:B.P. Text:-22F,-30C Vapor Pres:84.9 Vapor Density:4.17 Spec Gravity:1.29 Solubility in Water:SLIGHT Appearance and Odor:COLORLESS LIQUIFIED GAS WITH FAINT, ETHEREAL ODOR. Percent Volatiles by Volume:100

Stability Indicator/Materials to Avoid:YES MAGNESIUM Stability Condition to Avoid:THERMAL DECOMPOSITION. Hazardous Decomposition Products:HYDROGEN FLUORIDE, HYDROGEN CHLORIDE, CHLORINE.

Waste Disposal Methods:BEST TO RECYCLE OR RECLAIM, IF POSSIBLE. MAY BE INCINER

ATED IN OIL-FIRED FURNACE BUT TOXIC AND CORROCIVE COMBUSTION GASES MUST BE HANDLED. CONSULT FEDERAL, STATE, OR LOCAL AUTHORITIES FOR PROPER DISPO SAL PROCEDURES.

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