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PENNWALT CORPORATION -- ISOTRON 12 -- 6830-00-106-1656

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

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

=== C

ontractor Identification ===

Company Name: PENNWALT CORPORATION/ELF ATOCHEM NORTH AMERICA

Address:THREE PARKWAY

City:PHILADELPHIA

State:PA ZIP:19102

Phone:215-587-7711

CAGE:7K913

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

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

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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 C

ONTACT 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 O

R IRREGULARITIES OF HEARTBEAT SHOULD BE PARTICULARLY CAREFUL TO AVOID OVEREXPOSURE TO THESE VAPORS.

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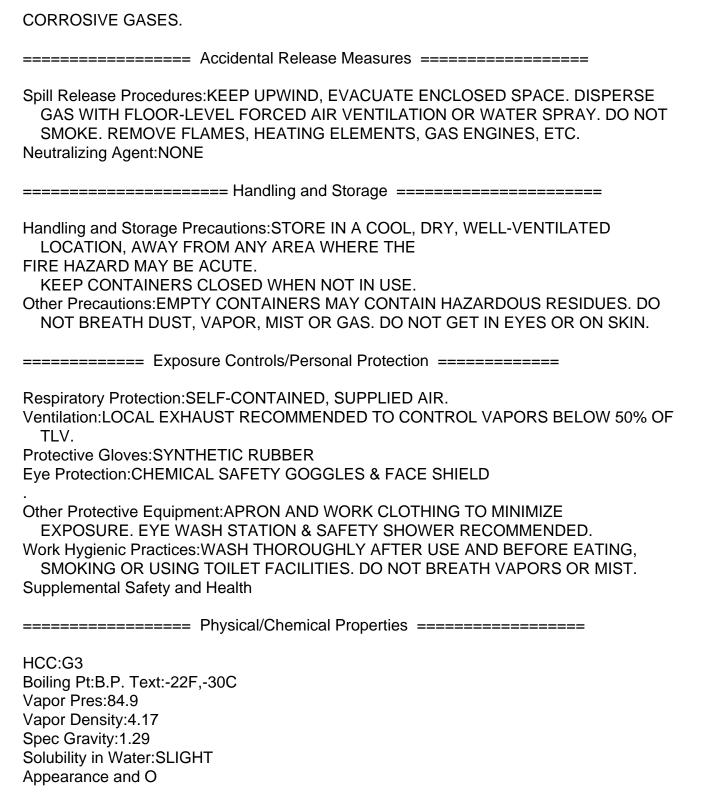
First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. KEEP VICTIM QUIET, DO NOT GIVE STIMULANTS. NARCOTIC EFFECT. DENSE VAPORS MAY REMA IN IN LUNGS. MAY CAUSE MILD IRRITATION. EYE: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER 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



dor:COLORLESS LIQUIFIED GAS WITH FAINT, ETHEREAL ODOR. Percent Volatiles by Volume:100
========= Stability and Reactivity Data ==========
Stability Indicator/Materials to Avoid:YES MAGNESIUM Stability Condition to Avoid:THERMAL DECOMPOSITION. Hazardous Decomposition Products:HYDROGEN FLUORIDE, HYDROGEN CHLORIDE, CHLORINE.
======= Disposal Considerations ===========

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

TED 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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