

ARDROX INC. -- BIO-PEN P7F2 INSPECTION PENETRANT -- 6850-01-263-9777

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

Product ID: BIO-PEN P7F2 INSPECTION PENETRANT

MSDS Date: 02/01/1990

FSC: 6850

NIIN: 01-263-9777

MSDS Number: BJFFK

=== Responsible Party ===

Company Name: ARDROX INC.

Address: 16961 KNOTT AVENUE

City: LA MIRADA

State: CA

ZIP: 90638

Country: US

Info Phone Num: 714-739-2821

Emergency Phone Num: 800-424-9300 (

CHEMTREC)

Preparer's Name: SHEREE L. KINZEL

CAGE: DO042

=== Contractor Identification ===

Company Name: ARDROX INC.

Address: 16961 KNOTT AVE.

City: LA MIRADA

State: CA

ZIP: 90638-6015

Phone: 714-739-2821/800-424-9300(CHEMTREC)

CAGE: DO042

Company Name: BRENT AMERICA, INC.

Address: 16961 KNOTT AVE.

Box: City: LA MIRADA

State: CA

ZIP: 90638-6015

Country: US

Phone: 714-739-2821

CAGE: 23373

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

Ingred Name: ALKYLOXYPOLYETHYLENOXY ETHANOL

CAS: 68131-40-

RTECS #:WZ5200000

Other REC Limits:NONE ESTABLISHED

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALE: OVEREXPOSURE MAY RESULT IN IRRITATION OF THE THROAT & LUNGS; SKIN/EYE: MAY BE SLIGHTLY IRRITATING UPON DIRECT CONTACT; INGEST: MAY CAUSE NAUSEA, VOMITING, AND DIARRHEA AND POSSIBLY UNCONSCIOUSNESS.
Effects of Overexposure:SEE "HEALTH HAZARD".
Medical Conditions Aggravated by Exposure:NON STATED.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.
INGESTION:DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:PMCC
Flash Point:>200F/93.3C
Extinguishing Media:DRY CHEMICAL. FOAM. CARBON DIOXIDE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME.
Unusual Fire/Explosion Hazard:DENSE SMOKE MAY BE GENERATED WHILE BURNING. CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION.

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

Spill Release Procedures:THIS MATERIAL IS BIODEGRADABLE IN A BIOLOGICAL WASTEWATER TREATMENT PLANT WHEN DILUTED. AT HIGH CONCENTRATIONS, IT MAY CAUSE SEVERE FOAMING PROBLEMS WHICH COULD INTERFERE WITH THE OPERATION OF THE PLANT.
Neutralizing Agent:NOT APPLICABLE.

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

Handling

and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN IN HALATION

EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED CANNISTER-TYPE RESPIRATORS. USE POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS IF IN CONFINED AREAS .

Ventilation:USE MECHANICAL VENTILATION, LOCAL EXHAUST IF NEEDED.

Protective Gloves:IMPERMEABLE GLOVES.

Eye Protection:SAFETY GLASSES. NO CONTACT LENSES.

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL H YGIENE PRACTICES AND

RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

QPL APPLIES. BOTH P/N IND: A OR B ARE QUALIFIABLE PENETRANTS.

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

HCC:N1

Boiling Pt:B.P. Text:345F/174C

Spec Gravity:0.871

Evaporation Rate & Reference:< BUTYLE ACETATE

Solubility in Water:MODERATE

Appearance and Odor:FLUORESCENT YELLOW GREEN MOBILE LIQUID.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:NONE STATED.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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.