

ARDROX INC -- BIO-PEN P7F2 -- 6850-01-265-2741

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

Product ID:BIO-PEN P7F2
MSDS Date:02/01/1990
FSC:6850
NIIN:01-265-2741
MSDS Number: BJJLV
=== Responsible Party ===
Company Name:ARDROX INC
Address:16961 KNOTT AVE
City:LA MIRADA
State:CA
ZIP:90638-6015
Country:US
Info Phone Num:714-739-2821
Emergency Phone Num:714-739-2821/800-424-9300(CHEMTREC)
Preparer's Name:SHER
EE L. KINZEL
CAGE:23373
=== Contractor Identification ===
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:SECONDARY ETHOXYLATED FATTY ALCOHOLS
CAS:68131-40-8
RTECS #:WZ5200000
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES

Ingestion: YES

Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Health Hazards Acute and Chronic: ACUTE: EYES/SKIN: IRRITATION.

INHALATION MINOR IRRITATION. INGESTION: STOMACH UPSET, NAUSEA, VOMITING, DIARRHEA, UNCONSCIOUSNESS. CHRONIC: NONE REPORTED BY MANUFACTURER.

Explanation of Carcinogenicity: NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure: EYES/SKIN: IRRITATION. INHALATION: IRRITATION. INGESTION: STOMACH UPSET.

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid: EYE: IMMEDIATELY FLUSH OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY. INHALATION: REMOVE TO FRESH AIR AND GIVE ARTIFICIAL RESPIRATION OR OXYGEN AS NEEDED. SEEK MEDICAL HELP IMMEDIATELY. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LOTS OF WATER. SEEK MEDICAL ATTENTION.

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

Flash Point Method: PMCC

Flash Point: 345F, 174C

Autoignition Temp: Autoignition Temp Text: UNKNOWN

Extinguishing Media: DRY CHEMICAL, FOAM, CARBON DIOXIDE, OR ALCOHOL FOAM

Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER TO COOL NEARBY EQUIPMENT/SURROUNDINGS.

Unusual Fire/Explosion Hazard: FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT, ELIMINATE SOURCES OF IGNITION, AND VENTILATE AREA AS REQUIRED. SMALL SPILLS CAN BE DILUTED AND WILL BIODEGRADE WITH WASTEWATER TREATMENT. DIKE LARGE SPILLS AND ABSORB. PLACE WASTE IN DOT APPROVED CONTAINER FOR DISPOSAL.

=====

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

Handling and Storage Precautions:STORE IN A WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION OR STRONG OXIDIZERS,REDUCERS,ACIDS, AND BASES. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:DO NOT REUSE EMPTY CONTAINERS FOR ANYTHING ELSE. KEEP AWAY FROM DIRECT SUNLIGHT AND FROM WELDING, GRINDING, OR DRILLING ACTIVITIES. DO NOT EAT, DRINK OR SMOKE AROUND THIS PRODUCT. KEEP PRODUCT FROM FR EEZING.

=====

Exposure Controls/Personal Protection
=====

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION. USE NIOS H APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE. LOCAL EXPLOSION-PROOF VENTILATION MAY BE NEEDED IN SOME CASES.

Protective Gloves:CHEMICALLY RESIS
TANT IMPERMEABLE GLOVES

Eye Protection:NO CONTACTS. SAFETY GLASSES/FACE SHIELDS

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

KEY1:N1 THIS IS PART B OF TWO PENETRANT PRODUCTS UNDER THIS SAME NSN. IT IS NOT PART OF A TWO-PA

RT SET. PART A IS LISTED AS PART A UNDER

THIS SAME NSN. MANUFACTURER RECOMMENDS THANT CONTACT LENSES NO T BE WORN WHEN USING THIS PRODUCT.

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

HCC:N1

Boiling Pt:B.P. Text:482F,250C

Vapor Pres:1

Vapor Density:>1 (AIR=1)

Spec Gravity:0.975

pH:UNKNON

Evaporation Rate & Reference:0.1 (N-BUTYL ACETATE=1)

Solubility in Water:SLIGHT

Appearance and Odor:FLUORESCENT YELLOW LIQUID

Percent Volatiles by Volume:UNKNON

=====

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AND REDUCING AGENTS, STRONG ACIDS AND BASES, ALKALI METALS.

Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products: CARBON DIOXIDE AND CARBON MONOXIDE

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

S.

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.