

#31624 & 31626

IVAX MATERIAL SAFETY DATA SHEET  
DE-FENSE

PRODUCT CODE: F1350

HEALTH HAZARD    FIRE HAZARD    REACTIVITY  
1                    0                    0

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SECTION 1 - MANUFACTURER IDENTIFICATION

PUREX INDUSTRIAL

IVAX Industries, Inc.

101 Rock Rd., Rock Plaza III, Horsham, PA 19044

Product Information Phone: (614)387-6200

EMERGENCY PHONE: (800)424-9300

SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS

REPORTABLE COMPONENTS	CAS NUMBER	WEIGHT PERCENT	EXPOSURE LIMIT(S)
* DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0	3.77	
* INDICATES MATERIAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313.			

SECTION 3 - HAZARDS IDENTIFICATION

\* \* \* \* \* EMERGENCY OVERVIEW \* \* \* \* \*  
OFF-WHITE EMULSION WITH A SPICY POLYMERIC ODOR.  
CAUSES MILD EYE AND SKIN IRRITATION.

POTENTIAL HEALTH EFFECTS

INHALATION: No hazard expected in normal industrial use.

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: May cause skin irritation.

SKIN ABSORPTION: Not capable of being absorbed.

INGESTION: Not expected to cause any hazard in normal industrial use.

CHRONIC HEALTH RISKS: NONE KNOWN

CARCINOGENICITY: NTP CARCINOGEN: No    IARC MONOGRAPHS: No    OSHA REGULATED: No

SECTION 4 - FIRST AID MEASURES

IF INHALED, Remove to fresh air.

IF IN EYES, Immediately flush with plenty of water. Get medical attention if irritation persists.

IF ON SKIN, Immediately flush the area with plenty of water. Remove contaminated clothing. Wash clothing before reuse. Get medical attention if irritation persists.

IF SWALLOWED, Induce vomiting immediately as directed by medical personnel. Get medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTES TO PHYSICIAN: NONE

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: NONE                    METHOD USED: None.

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: None.                    UPPER: None.

EXTINGUISHING MEDIA: Use Water, Foam, CO2.

SPECIAL FIREFIGHTING PROCEDURES: None known.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Take up with dry sorbant or mop. Rinse promptly with water. No known problems flushing small and diluted quantities to sewer.

SECTION 7 - HANDLING AND STORAGE

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**SUGGESTED STORAGE TEMPERATURE:** Store inside at 40-100 deg F.  
**SPECIAL HANDLING AND STORAGE:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing. Store in a cool and dry ventilated area. Keep from freezing. Thoroughly rinse empty containers. Keep out of reach of children.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** None needed under normal conditions (NIA)  
**VENTILATION:** Use with adequate ventilation.  
**PROTECTIVE GLOVES:** Selection of specific items will depend on operation. Use of this product is not expected to require gloves.  
**EYE PROTECTION:** Use safety glasses.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear clothing as necessary to prevent skin contact.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

ODOR & APP	: MILD, WHITE	PHYSICAL STATE	: EMULSION
PH	: 8.7-8.9	VAPOR PRESSURE	: .1 mmHg @ 20°C
VAPOR DENSITY	: >1	BOILING POINT	: 212°F
FREEZING POINT	: NONE	MELTING POINT	: NONE
SPEC. GRAVITY	: 1	SOLUBILITY H2O	: SOLUBLE
% VOLATILES (V)	: 86		

SECTION 10 - STABILITY AND REACTIVITY

**STABILITY:** Stable. **CONDITIONS TO AVOID:** None known.  
**INCOMPATIBILITY (AVOID CONTACT WITH):** None Known.  
**HAZARDOUS DECOMPOSITION PRODUCTS AND/OR BYPRODUCTS:** None known.  
**HAZARDOUS POLYMERIZATION:** None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL PROFILE:** Contains Diethylene Glycol Monoethyl Ether (CAS 111-90-0)  
Oral LD50 (rat) 5500 MG/KG, Dermal LD50 (rbt) 8500 MG/KG.

SECTION 12 - ECOLOGICAL INFORMATION

**ECOLOGICAL PROFILE:** Volatile Organic Content (VOC) - 35.3 G/L.

SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of absorbent which has been used to clean up a spill involving this material in accordance with Federal, State, and Local ordinances.

SECTION 14 - TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION

**PROPER SHIPPING NAME:** COMPOUND, CLEANING, LIQUID, NOI  
**HAZARD CLASS OR DIVISION:** NOT REGULATED BY THE DOT.  
**IDENTIFICATION NUMBER:** NONE **PACKING GROUP:** NONE  
**HAZARDOUS SUBSTANCE:** NONE **MARINE POLLUTANT:** NO

INTERNATIONAL TRANSPORTATION REGULATIONS: PLEASE CONTACT PRODUCT SAFETY AT THE NUMBER LISTED ON THIS MSDS IF ANY ADDITIONAL INFORMATION IS REQUIRED FOR INTERNATIONAL SHIPPING.

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: NONE.

CALIFORNIA PROP65 INFORMATION: No material present subject to reporting.

STATE RIGHT TO KNOW INFORMATION:

WATER	7732-18-5
STYRENE ACRYLATE COPOLYMER	25987-66-0
POLYETHYLENE	9010-77-9
DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0
STYRENE ACRYLATE COPOLYMER	25767-39-9

SECTION 16 - OTHER INFORMATION

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DATE PREPARED: 09/09/94

NAME OF PREPARER: PRODUCT SAFETY DEPARTMENT