#### SAFETY DATA MATERIAL

G-O-E-S RTU

CODUCT CODE: F4650

PIRE HAZARD REACTIVITY HRALTH HAZARD 0 3

### MANUFACTURER

#### PUREX INDUSTRIAL

IVAX Industries, Inc.

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

Product Information Phone: (614)387-6200 EMERGENCY PHONE: (800)424-9300

### SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS

WRIGHT PERCENT EXPOSURE LIMIT(S) REPORTABLE COMPONENTS 2-BUTOXYETHANOL 3.10 111-76-2

ACGIH TWA: 25 ppm (skin)

OSHA PEL: 50 ppm

SARA TITLE III SECTION 311/312

NONYL PHENOXY POLY (ETHYLENEOXY) ETHANOL

9016-45-9 2.20

SARA TITLE III SECTION 311/312

Page:

· INDICATES MATERIAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313.

#### HAZARDS IDENTIFICATION

\* \* \* \* \* \* \* EMERGENCY OVERVIEW \* \* \* \* \* \* \* CLEAR, PALE ROSE LIQUID WITH MILD SOLVENT ODOR. CORROSIVE. CAUSES EYE AND SKIN DAMAGE. CAUSES RESPIRATORY TRACT IRRITATION. Contains <4% 2-Butoxyethanol which causes red blood cell hemolysis and secondary liver and kidney effects in laboratory animals.

# POTENTIAL HEALTH EFFECTS

INHALATION: Causes respiratory tract irritation.

EYE CONTACT: Causes severe eye burns. May cause blindness.

SKIN CONTACT: Causes skin irritation. May be absorbed through the skin in harmful amounts.

SKIN ABSORPTION: 2-Butoxyethanol may be absorbed through the skin and cause toxic effects to the liver, kidneys and blood forming system.

INGESTION: Material can burn the mouth, throat, and stomach.

CHRONIC HEALTH RISKS: CHRONIC DISESASES OF THE RESPIRATORY SYSTEM, KIDNEYS AND LIVER.

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

#### SECTION 4 - FIRST AID MEASURES

IF INHALED, Remove to fresh air. If not breathing, give artificial respiration.

If breathing is difficult, give oxygen. Get medical attention.

IF IN EYES, Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

IF ON SKIN, Immmediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Destroy. shoes which can not be decontaminated. Get medical attention.

IF SWALLOWED, DO NOT Induce vomiting. Give water to drink. Get medical

metention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

ES TO PHYSICIAN: NONE

# SECTION 5 - FIRE FIGHTING MEASURES

# IVAX MATERIAL SAFETY DATA

G-O-E-S RTU

题ASH POINT: NONE METHOD USED: None.

MMABLE 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: Clean up spills immediately, observing precautions in Section 8 for protective equipment. Contain spilled liquid to prevent spreading, absorb with appropriate material, and place in appropriate container for disposal.

# SECTION 7 - HANDLING AND STORAGE

SUGGESTED STORAGE TEMPERATURE: Store inside at 40-100 deg F. SPECIAL HANDLING AND STORAGE: Add material carefully to water to avoid splashing onto skin and clothing. Wash thoroughly after handling.

#### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: A NIOSH-Approved cartridge respirator, with an organic concentration of vapors exceeds any established permissible exposure limits set for any of the components within this mixture. An Industrial Hygeinist may be required to perform air monitoring if there any questions pertaining to the adequacy of ventilation or space in a given work area.

VENTILATION: Use with adequate ventilation.

TECTIVE GLOVES: Selection of specific items will depend on operation. Where Min contact is reasonably expected, protective gloves of natural rubber are generally suitable for this product.

EYE PROTECTION: Use safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: It is recommended that adequate washing facilities be nearby in case of contact with this product. Personnel working with this material should familiarize themselves with the location of these facilities. In case of accidental eye contact, the removal of the material from the eyes must be done immediately.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

ODOR & APP : SOLVENT, PALE ROSE PHYSICAL STATE : LIQUID

VAPOR PRESSURE : .6 mmHg @ 20°C : 12.5-13.0

BOILING POINT : 212°F
MELTING POINT : NONE
SOLUBILITY H20 : COMPLETE VAPOR DENSITY : >1 FREEZING POINT : NONE SPEC. GRAVITY : 1.02-1.03

% VOLATILES (V): 95

# SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable. CONDITIONS TO AVOID: Contact with strong acids. INCOMPATIBILITY (AVOID CONTACT WITH): Contact with strong acids may cause an exothermic reaction; mixture becomes extremely hot and may splatter. Contact with bleach may release toxic gases. ARDOUS DECOMPOSITION PRODUCTS AND/OR BYPRODUCTS: None known.

ARDOUS POLYMERIZATION: None known.

# SECTION 11 - TOXICOLOGICAL INFORMATION

# IVAX MATERIAL SAFETY DATA SHEET

G-O-E-S RTU

Page:

TAXICOLOGICAL PROFILE: This product contains 2-Butoxy Ethanol (CAS 111-76-2). Is material caused red blood cell hemolysis and secondary liver and kidney effects in laboratory animals. Humans appear to be resistant to these effects. Oral LD50 (rat) 470 MG/KG, Dermal LD50 (rbt) 220 MG/KG, LC50 (rat) 700 PPM/7HR. Contains Sodium Metasilicate (CAS 6834-92-0) Oral LD50 (rat) 1153 MG/KG, Ethoxylated Nonylphenol (CAS 9016-45-9) Oral LD50 (rat) 2590 MG/KG, Dermal LD50 (rbt) 2830 MG/KG.

#### SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL PROFILE: Volatile Organic Content (VOC) - 47 G/L.

#### SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This product, if disposed of in its original form, is classed as EPA hazardous waste number D002. Do not discharge into waterways or sewer systems without checking with proper authority. Incinerate in a RCRA licensed facility. Comply with 40 CFR 261.21 and 261.22

#### 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

TERNATIONAL TRANSPORTATION REGULATIONS: PLEASE CONTACT PRODUCT SAFETY AT THE 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: This product contains trade levels of a chemical or chemicals which the State of California has found to cause cancer, birth defects, or other reproductive harm.

#### STATE RIGHT TO KNOW INFORMATION:

HATER 7732-18-5
2-BUTOXYETHANOL 111-76-2
NONYL PHENOXY POLY (ETHYLENEOXY) ETHANOL 9016-45-9
SODIUM XYLENE SULFONATE 1300-72-7
SODIUM NETASILICATE 6834-92-0

#### SECTION 16 - OTHER INFORMATION

PREPARED: 05/11/95

IVAX INDUSTRIES, INC. BELIEVES THAT THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN (INCLUDING DATA AND STATEMENTS) ARE ACCURATE AS OF THE DATE HEREOF. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. THE INFORMATION PROVIDED HERIN RELATES ONLY TO THE SPECIFIC PRODUCT DESIGNATED AND MAY NOT BE VALID WHERE SUCH PRODUCT IS USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. FURTHER, SINCE THE CONDITIONS AND METHODS OF USE OF THE PRODUCT AND OF THE INFORMATION REFERRED TO HEREIN ARE BEYORD THE CONTROL OF IVAX INDUSTRIES, IVAX EXPRESSLY DISCLAIMS ANY AND ALL LIABILITY AS TO ANY RESULTS OBTAINED OR ARISING FROM ANY USE OF THE

NAME OF PREPARER: PRODUCT SAFETY DEPARTMENT