



# MATERIAL SAFETY DATA SHEET

**Aerix Industries™**

**Synthetic Concrete Foam**

Advanced Engineered Foam Solutions

Date Prepared (April, 2013)

## Section 1: CHEMICAL PRODUCT/COMPANY IDENTIFICATION

### Material Identification

Product: ARX-Transport-iX™

Synonyms: Synthetic Detergent

CAS No: Mixture – No single CAS No. applicable

### Company Identification

Aerix Industries™

7020 Snowdrift Road

Allentown, PA 18106

Telephone No.: 610.398.7833

Emergency Telephone No.: 888.235.5015

## Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.
Water	7732-18-5
Hexylene Glycol	107-41-5
Proprietary mixture of synthetic detergents	No single CAS# applicable

## Section 3: HAZARDS IDENTIFICATION

### **Eye Contact**

Product is an eye irritant

### **Carcinogenicity**

No data available

### **Inhalation**

No data available

### **Skin contact**

Contact with liquid may cause moderate irritation or dermatitis due to removal of oils from the skins

### **Ingestion**

Not a hazard in normal industrial use. Small amounts swallowed during normal handling operations are not likely to cause injury; swallowing large amounts may cause injury or irritation.

## Section 4: FIRST AID MEASURES

### **Eye Contact**

In case of eye contact, immediately flush eyes with water for 15 minutes. Retract eyelids often to ensure thorough rinsing. Contact a physician if irritation persists.

### **Ingestion**

Do not induce vomiting unless directed to do so by a physician. Give milk or water. Never administer anything by mouth to an unconscious person. Seek medical attention

**Inhalation**

No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of airborne aerosol mists, remove to fresh air. Seek medical attention if effects occur.

**Skin contact**

In case of skin contact, wash off in flowing water or shower. Launder clothing before reuse.

**Section 5: FIRE FIGHTING MEASURES**

Not flammable under normal conditions of use. Avoid Contact with reactive material, burning metals, and electrical energized equipment. Use extinguishing media appropriate for surrounding materials. This product will foam when mixed with water. Self contained breathing apparatus (SCBA) and full protective equipment recommended when fire fighting.

**Section 6: ACCIDENTAL RELEASE MEASURES**

Stop flow if possible. Use appropriate protective equipment during clean up. For any releases, collect spilled concentrate with absorbent material; place in approved container and disposed. Disposal should be made in accordance with federal, state, and local regulations. Prevent discharge of concentrate to waterways.

**Section 7: HANDLING AND STORAGE**

Recommended storage environment is between 35°F (2°C) and 120°F (49°C). Store product in original shipping container or containers designed for product storage.

**Section 8: EXPOSURE CONTROLS****Exposure Limits**

<b>Component</b>	<b>CAS Number</b>	<b>PEL (OSHA)</b>	<b>TLV (ACGIH)</b>
Hexylene Glycol	107-41-5	25ppm	25ppm

**Personal Protective Equipment**

Safety glasses, face shield, or chemical splash goggles must be worn when possibility exist for eye contact. Contact lenses should not be worn. Rubber or PVC gloves recommended. Wash hands before eating, drinking, smoking, or using the toilet facilities. Promptly remove soiled clothing and wash thoroughly before re-use.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****Physical Data**

Boiling Point:	Not applicable
Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable
Melting Point:	Not Applicable
Evaporation Rate:	< (Butyl Acetate = 1.0)
Specific Gravity @ 25°C:	1.04
Viscosity @ 25°C	47 csks
Freezing Point :	-11°C
pH:	7.3
Odor:	Bland Form:
	Liquid
Color:	Pale Yellow

**Section 10: STABILITY AND REACTIVITY**

Avoid use of product on burning metals, electrically energized equipment, and contact with water reactive materials. The chemical is stable and will not polymerization.

**Section 11: TOXICOLOGICAL INFORMATION**

This product has not been tested as a whole for acute oral and inhalation toxicity, primary eye irritation, or primary skin irritation.

**Component Toxicity****Hecylene Glycol**

Acute Oral Toxicity – Rat	LD50 > 2000 mg/kg
Acute Dermal Toxicity – Rabbit	LD50 > 2000 mg/kg
Acute Inhalation Toxicity – Rabbit	LD50 > than near-saturated vapor concentration

**Section 12: ECOLOGICAL INFORMATION****Hecylene Glycol**

Acute Toxicity – Fish	Low toxicity: LC/EC/IC50 > 1000 mg/l
Acute Toxicity – Invertebrates	Low toxicity: LC/EC/IC50 > 1000 mg/l
Acute Toxicity – Microorganism	Low toxicity: LC/EC/IC50 > 1000 mg/l

BOD <sub>5</sub>	No data available
COD	No data available



#### **Bioaccumulation**

This product has not been tested as a whole for bioaccumulation

#### **Component Bioaccumulation**

Not expected to bioaccumulate significantly. Readily biodegradable.

### **Section 13: DISPOSAL CONSIDERATION**

This product is not RCRA-listed waste or hazardous waste as characterized by 40 CFR 261. However, state and local requirements for waste disposal may be more restrictive or otherwise different from Federal regulations. Therefore, applicable state and local regulatory agencies should be contacted regarding disposal of material.

Do not discharge into biological sewer treatment systems without prior approval. Specific concerns may be high BOD load and foaming tendency. Dilution will reduce BOD and COD factors proportionately. Low dosage flow rate or antifoaming agents acceptable to the treatment plant may be helpful.

Foam solution can be treated by wastewater treatment facilities. Discharge into biological sewer treatment facilities may be done with prior approval. Specific concerns are high BOD load. Dilution will reduce BOD and COD factors proportionately. Low dosage flow rate or antifoaming agents acceptable to the treatment plant may be helpful. Do not flush to waterways. Disposal should be made in accordance with federal, state, and local regulations.

### **Section 14: TRANSPORTATION INFORMATION**

Shipping Class: 70  
Hazard Class: None  
UN Number: None

### **Section 15: REGULATORY INFORMATION**

#### **U.S Federal Regulations**

All components of this product are listed in TSCA inventory

#### **Superfund Amendments and Reauthorization Act 1986 (SARA), Title III**

##### **Section 302/304**

There are no components of this material with known CAS numbers that are on the Extremely Hazardous Substances (EHS) list.

##### **Section 311/312**

Based on available information, this material contains the following components which are classified as the following health and/or physical hazards according to Section 311/312:

Hexylene Glycol	(107-41-5)	Health – Immediate and Chronic
Isopropyl Alcohol	(67-63-0)	Health – Immediate and Chronic

##### **Section 313**



This material does not contain any chemical components subject to this section.

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT  
(CERCLA)**

This material does not contain any chemical components subject to the reporting requirements of CERCLA.

**State Regulations**

**PENNSYLVANIA RIGHT-TO-KNOW HAZARDOUS SUBSTANCES LIST**

Hexylene Glycol (107-41-5)

Isopropyl Alcohol (67-63-0)

**Section 16: OTHER INFORMATION**

**NFPA Rating**

Health: 1

Flammability: 2

Reactivity: 0

**WHMIS Rating**

D2B

For Further information, consult Aerix Industries™

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