Material Safety Data Sheet

Revision Date: 2/20/91 NA = Not Applicable NE = Not Established

Section 1. General Information

Product name: **Ipanex R (Ipanex Rapid)**

Chemical Name: NA

Chemical Family: NA

Formula: ** Proprietary

Manufacturer: **IPA Systems, Inc.**
2745 North Amber Street, Philadelphia, Pa. 19134
Phone: 800-523-3834 • 215-425-6607
Fax: 215-425-6234
E-mail: info@ipasystems.com
Website: www.ipasystems.com

Emergency Phone Number - Chemtrec: 800-424-9300

Section 2. Hazardous Ingredients

Name:	Percent
Aqueous Silicate Emulsion	**

** The specific chemical identity and/or composition is being withheld as a trade secret.

Section 3. Physical Data

Boiling Point: 212°F (100°C)

Specific Gravity: (H_2O = 1): 1.31

Vapor Pressure (mm Hg.): as water

Percent Volatile by Volume: NA

Vapor Density (Air = 1): as water

Evaporation Rate: NA

Solubility in Water: Completely soluble

pH: 12.6 – 14.0

Appearance and Odor: Clear, odorless liquid

Section 4. Fire and Explosion Hazard Data

Flash Point: NA

Autoignition Temperature: NE

Flammable Limits: LEL = NA UEL = NA

Extinguishing Media: Water, foam, CO_2, dry chemicals

Special Fire Fighting Procedures: Firefighters should use supplied air and protective clothing.

Unusual Fire and Explosion Hazards: Avoid prolonged contact with aluminum, tin, lead and zinc, as flammable hydrogen gas may be produced. This hazard would not exist once this liquid has been added to concrete or other cementitious product.

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Section 5. Health Hazard Data

OSHA PEL: (1) 2 mg/M^3. (2) 5 mg/M^3. ACGIH TLV: (1) 2 mg/M^3. (2) 5 mg/M^3 resp.

Carcinogen – NTP Program: No Carcinogen – IARC Program: No

Symptoms of Exposure: Ingestion: May cause burns and abdominal pain. Eye contact: Can cause burns. Skin contact: May cause irritation.

Medical Conditions Aggravated by Exposure: NE

Routes of Entry: Skin Contact and Ingestion

Emergency and First Aid Procedures:
This material is alkaline and thus the primary toxic effect will be due to corrosivity.

Ingestion: Dilute with water or milk. Do not induce vomiting. Seek medical attention immediately.

Eye Contact: Flush well with large amounts of running water. Get medical attention immediately.

Skin Contact: Wash affected area with soap water.

Section 6. Reactivity Data

Stability: Stable

Conditions to Avoid: Prolonged contact with aluminum, tin, lead and zinc, as flammable hydrogen gas may be produced.

Incompatibility (Materials to Avoid Contact): Material gels when mixed with acids. Exotherms and sets up rapidly when combined with portland cement.

Hazardous Decomposition or By-Products: Burning can produce alkaline sodium salts, CO_2, CO and oxides of silicone.

Hazardous Polymerization: Will not occur.

Section 7. Procedures for Safe Handling and Use

Spill Response: Small spills can be flushed with water. Larger spills: Use an absorbant (i.e., sand). Do not combine with portland cement products.

Waste Disposal Method: Landfill in accordance with federal, state and local regulations.

Section 8. Control Measures

Eye Protection: Chemical splash goggles.

Respiratory Protection: NIOSH approved mist respirator.

Skin Protection: Rubber or plastic gloves.

Ventilation: Local exhaust recommended.

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Section 9. Special Precautions

Hygienic Practices in Handling and Storage: Wash exposed skin areas immediately after contact. Avoid the use of aluminum containers as flammable hydrogen gas may be produced. This material will etch glass and pit aluminum. Keep from freezing.

Precautions for Repair and Maintenance of Contaminated Equipment: NA

Other Precautions: Keep from freezing.