

# Material Safety Data Sheet

Revision Date: 2/18/91

NA = Not Applicable NE = Not Established

## Section 1. General Information

Product name: **Duripal**  
Chemical Name: NA  
Chemical Family: Silicates  
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

<u>Name:</u>	<u>C.A.S. No.</u>	<u>Percent</u>
Aqueous silicate solution	1312-76-1	6.0

## Section 3. Physical Data

Boiling Point: NA  
Vapor Pressure (mm Hg.): NA  
Vapor Density (Air = 1): NA  
Solubility in Water: Complete  
Appearance and Odor: Clear water-like liquid, odorless

Specific Gravity: (H<sub>2</sub>O = 1): 1.0 – 1.2  
Percent Volatile by Volume: NA  
Evaporation Rate: NA  
pH: 11.0 – 13.0

## Section 4. Fire and Explosion Hazard Data

Flash Point: None  
Autoignition Temperature: NE  
Flammable Limits: LEL = NA UEL = NA  
Extinguishing Media: NA  
Special Fire Fighting Procedures: NA  
Unusual Fire and Explosion Hazards: NA

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## **Section 5. Health Hazard Data**

OSHA PEL: NA

ACGIH TLV: NA

Carcinogen – NTP Program: No

Carcinogen – IARC Program: No

Symptoms of Exposure: Spray mist may damage respiratory tract.

Medical Conditions Aggravated by Exposure: NE

Routes of Entry: Inhalation, Skin

### **Emergency and First Aid Procedures:**

Eye Contact: Immediately flush well with large amounts of running water for at least 15 minutes. Seek medical attention immediately.

Skin Contact: Wash affected area with water.

Inhalation: Remove victim to fresh air.

## **Section 6. Reactivity Data**

Stability: Stable

Conditions to Avoid: Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.

Incompatibility (Materials to Avoid Contact): Product will etch glass. Gels when mixed with acid.

Hazardous Decomposition or By-Products: None

Hazardous Polymerization: Will not occur.

## **Section 7. Procedures for Safe Handling and Use**

Spill Response: Mop up and flush small spills (100 gallons max.) with plenty of water. Dike and flush large spills.

Waste Disposal Method: In small quantities (100 gallons max.) flush with water. Large quantities, neutralize with acid and land fill solids according to prevailing local regulations.

## **Section 8. Control Measures**

Eye Protection: Chemical goggles and face shield.

Respiratory Protection: Use NIOSH approved mist respirator where spray occurs.

Skin Protection: Rubber protective gloves.

Ventilation: Local and mechanical where necessary.

Other Protection: Safety shower and eyewash

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## **Section 9. Special Precautions**

Hygienic Practices in Handling and Storage: Avoid contact with eyes, skin or clothing. Wash after handling. Wash contaminated clothing before reuse.

Precautions for Repair and Maintenance of Contaminated Equipment: NE

Other Precautions: Keep from freezing.