

Material Safety Data Sheet

Revision Date: 8/10/94

NA = Not Applicable NE = Not Established

Section 1. General Information

Product name: **ipanex**

HMIS RATING: 2, 0, 0, D (D = face shield, gloves, synthetic apron)

Chemical Family: Complex Alkaline Earth Silicate Copolymer

Proper DOT Shipping Name: Caustic Alkali Liquid N.O.S.

DOT Hazard Classification: UN 1719

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
 Websites: www.ipasystems.com — www.ipanex.com

Emergency Phone Number - Chemtrec: 800-424-9300

Section 2. Hazardous Ingredients

	<u>OSHA</u>	<u>ACGIH</u>
Name:	8 - hr TWA	8 - hr TWA
Silicates, Hydroxides, Nitrates, And Carbonates of Alkali and Alkaline Earth Metals and Complex Alkaline Earth Silicates *	15 mg/cubic meter - Total 5 mg/cubic meter - Respirable dust	5 mg/cubic meter - Total dust

* This product does not contain any free silica (CAS 14808-60-7)

Section 3. Physical Data

Boiling Point (F): 211°F	Specific Gravity: (H ₂ O = 1): 1.14
Vapor Pressure (mm Hg.): NA	Percent Volatile by Volume: 0
Vapor Density (Air = 1): NA	Evaporation Rate: As water
Solubility in Water: Soluble	pH: 13.5
Appearance and Odor: Viscous white emulsion with Ammonia odor	

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Section 4. Fire and Explosion Hazard Data

Flash Point: NA

Flammable Limits: LEL = NA UEL = NA

Extinguishing Media: See Below

Special Fire Fighting Procedures: Firefighters may be exposed to hazardous gases from heated product.

Firefighters should wear self-contained breathing apparatus and protective clothing in compliance with NFPA in fire fighting situations.

Move container from fire area if it can be done without risk. Apply cooling water to exterior of containers that are exposed to flames until well after fire is out. Stay upwind if possible. Keep runoff from water sources and sewers.

Section 5. Health Hazard Data

OSHA PEL: NE, See Section 2.

ACGIH TLV: NE, See Section 2.

Carcinogen – NTP Program: NE

Carcinogen – IARC Program: NE

Medical Conditions Aggravated by Exposure: NE

Routes of Entry: Inhalation, Skin Contact and Ingestion

Emergency and First Aid Procedures:

Eye Contact: Flush well with large amounts of running water and occasionally lift upper and lower lids until no evidence of chemical remains (at least 15 to 20 minutes). Continue irrigation with normal saline until the pH has returned to normal (30 - 60 minutes). Cover with sterile bandages. Get medical attention immediately.

Skin Contact: Remove contaminated clothes and shoes immediately. Wash affected area with soap and mild detergent and large amounts of water until no evidence of chemical remains (at least 15 - 20 minutes). In case of chemical burns, cover with sterile, dry dressing. Bandage securely, but not tightly. Get medical attention immediately.

Inhalation: Seek medical attention immediately.

Section 6. Reactivity Data

Stability: Stable

Conditions to Avoid: Prolonged contact with aluminum, zinc, tin and organic chemicals may produce flammable hydrogen gas. Freezing conditions may cause container to rupture, and could harm product.

Incompatibility (Materials to Avoid Contact): Uncontrolled exposure to acids will create an exothermic reaction.

Hazardous Decomposition or By-Products: Oxygen, which may increase burning rate of fire.

Hazardous Polymerization: Will not occur.

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Section 7. Procedures for Safe Handling and Use

Spill Response: Make a primary effort to reclaim material. Use "squeegee" or scoop to collect material on floor. Place reclaimed material in plastic pail for shipment to manufacturer or permitted disposal/treatment site for neutralization.

In case of a large spill, dike area with sand. Sand and material must be placed in pails and sent to licensed (Permitted) disposal facility for neutralization.

Use extreme care in spill area as fall hazard may exist.

Follow federal, state and local regulations concerning the disposal of waste.

Waste Disposal Method: Dispose of in accordance with federal, state and local regulations. Cleanup personnel should wear respirators and protective clothing and eye protection.

Other Precautions: See all other sections of this MSDS.

Section 8. Control Measures

Respiratory Protection: If exposure above the PEL or TLV, NIOSH approved respirator for organic vapors.

Ventilation: Local exhaust required if vapors or mist created in handling or working with this material.

Mechanical (General): As above to reduce airborne levels.

Protective Gloves: Use chemical-proof neoprene or rubber gloves.

Eye Protection: Splash-proof chemical safety goggles

Other Protective Clothing or Equipment: As required for the work done on or with the product. Approved eye wash station in the area of potential exposure to liquid may be required.

Work / Hygiene Practices: Appropriate measures as required for the work done on or with the product, in addition to standard concrete construction practices.

Section 9. Special Precautions

Hygienic Practices in Handling and Storage: Wash exposed skin areas immediately after contact. Severe burning may begin minutes after skin contact. Flush with plenty of water. Seek medical attention immediately. Keep from freezing.

Precautions for Repair and Maintenance of Contaminated Equipment: Wash mixing equipment with water. Normal industrial and construction practices for maintenance of concrete mixing and placing equipment may be followed.

Other Precautions: Addition of IPANEX to concrete creates a mixture that should be handled with standard practices and safety methods. Once mixed in concrete in accordance with manufacturer's instructions, no additional precautions should be required.