

Material Safety Data Sheet

Revision Date: 2/26/91

NA = Not Applicable NE = Not Established

Section 1. General Information

Product Name: **OCTOSKIM – Powder Component**

Chemical Family: Portland Cement Mixture

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>Hazardous Components:</u> | <u>C.A.S. Reg. No.</u> | <u>Percent</u> | <u>Threshold Limit Value</u> |
|------------------------------|------------------------|----------------|------------------------------|
| Portland Cement | 65997-15-1 | 20 – 70 | 50 MPPCF |
| Silicon Dioxide (SD) | 14808-60-7 | 30 – 80 | 0.1 mg/m ³ |
| Calcium Carbonate (CC) | 16389-88-1 | 2 – 15 | 10 mg/m ³ |

Section 3. Physical Data

Boiling Point (F): NA

Specific Gravity: (H₂O = 1): 3.14

Vapor Pressure (mm Hg.): NA

Percent Volatile by Volume: NA

Vapor Density (Air = 1): NA

Evaporation Rate: NA

Solubility in Water: Slight

pH: NA

Appearance and Odor: Light grey powder

Section 4. Fire and Explosion Hazard Data

Flash Point: NA

Auto Ignition Temperature: NA

Flammable Limits: LEL = NA UEL = NA

Extinguishing Media: NA

Special Fire Fighting Procedures: NA

Unusual Fire & Explosion Hazards: NA

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Section 5. Health Hazard Data

OSHA PEL: 0.1 mg/m³ respirable – SD
5 mg/m³ respirable – CCACGIH TLV: 0.1 mg/m³ resp. – SD
10 mg/m³ resp. – CC

Carcinogen – NTP Program: Not listed

Carcinogen – IARC Program: Yes (Silicon Dioxide)

Symptoms of Exposure: Acute – Wet cement, especially as an ingredient in plastic concrete, can dry the skin and cause alkali burns. Cement dust can irritate the eyes and upper respiratory system. Chronic – Cement dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive people may develop dermatitis. (Cement may contain traces of hexavalent chromium.) Exposure to silica dust may cause permanent lung damage and cancer (Silicosis).

Medical Conditions Aggravated by Exposure: Dermatitis.

Routes of Entry: Inhalation, Skin Contact

Emergency and First Aid Procedures:

Eye Contact: Irrigate eyes with plenty of clean water for at least 5 minutes.

Skin Contact: Wash skin with soap and water. Get medical attention immediately if irritation persists.

Inhalation: Remove victim to fresh air.

Section 6. Reactivity Data

Stability: Stable

Conditions to Avoid: Keep dry until ready to use.

Incompatibility (Materials to Avoid Contact): NA

Hazardous Decomposition or By-Products: None

Hazardous Polymerization: Will not occur.

Section 7. Procedures for Safe Handling and Use

Spill Response: Use dry cleanup methods that do not disperse the dust into the air. Wear respirator approved for silica dust to avoid breathing the dust.

Waste Disposal Method: Material can be returned to container for later use if uncontaminated, or it can be disposed of as common construction waste. Always dispose of waste according to local, state and federal regulations.

Other Precautions: See all other sections of this MSDS.

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Section 8. Control Measures

Eye Protection: Use tight-fitting safety goggles.

Respiratory Protection: NIOSH approved respirator for silica dust exposure.

Ventilation: Local exhaust recommended to control airborne dust levels.

Skin Protection: Use barrier creams and protective clothing to protect skin from prolonged contact.

Other Protection: NA

Section 9. Special Precautions

Hygienic Practices in Handling and Storage: This product may contain approximately 10-50% silica sand, a portion of which may be respirable dust. In its dry state, a respirator must be worn to prevent possible exposure to free silica particles.

FOR INDUSTRIAL USE ONLY. KEEP THIS PRODUCT OUT OF THE REACH OF CHILDREN.

Precautions for Repair and Maintenance of Contaminated Equipment: NA

Other Precautions: Keep material dry.