

# Material Safety Data Sheet

Revision Date: 2/26/10

NA = Not Applicable NE = Not Established

## Section 1. General Information

Product Name: **Ipatop Shotcrete**

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

Principal Hazardous Components:	C.A.S. Reg. No.	Percent	Threshold Limit Value (units)
Portland Cement	65997-15-1	20 — 70	50 MPPCF
Silicon Dioxide (SD)	14808-60-7	30 — 80	0.1 mg/cubic meter
Silica, Amorphous	7631-86-9	1 — 10	3 mg/cubic meter

## Section 3. Physical Data

Boiling Point (F): NA

Specific Gravity: (H<sub>2</sub>O = 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: Medium 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

# Material Safety Data Sheet

Revision Date: 2/26/10

NA = Not Applicable NE = Not Established

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

OSHA PEL: 0.1 mg/m<sup>3</sup> resp. – SDACGIH TLV: 0.1 mg/m<sup>3</sup> – SD

Carcinogen – NTP Program: No

Carcinogen – IARC Program: Yes (SD)

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.)

Medical Conditions Aggravated by Exposure: Dermatitis.

Routes of Entry: Inhalation, Skin Contact

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

Eye Contact: Irrigate eyes with water.

Skin Contact: Wash affected areas of the body with soap and water.

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. Avoid breathing the dust.

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

Other Precautions: See all other sections of this MSDS.

# Material Safety Data Sheet

Revision Date: 2/26/10

NA = Not Applicable NE = Not Established

## **Section 8. Control Measures**

Respiratory Protection: NIOSH approved.

Ventilation: Local exhaust recommended to control airborne dust levels.

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

Eye Protection: Use tight-fitting goggles

Other Protection: NA

## **Section 9. Special Precautions**

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

Precautions for Repair and Maintenance of Contaminated Equipment: NA

Other Precautions: Keep material dry.