

# Material Safety Data Sheet

Revision Date: 2/20/91

NA = Not Applicable NE = Not Established

## Section 1. General Information

Product Name: **Drycon – Powder Component**

Chemical Family: Portland Cement Mixture

DOT Hazard Classification: Class 50

UN/NA Number: NA

DOT Labels: Class 50 Wall Plaster

Manufacturer: **IPA Systems, Inc.**

2745 North Amber Street, Philadelphia, Pa. 19134

Phone: 800-523-3834 • 215-425-6607

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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>CAS Reg. No.</u>	<u>Percent</u>	<u>Threshold Limit Value</u>
Portland Cement	65997-15-1	2 — 50	50 MPPCF
Silicon Dioxide (SD)	14808-60-7	2 — 50	0.1 mg/cubic meter

## Section 3. Physical Data

Boiling Point (F): NA

Specific Gravity: (H<sub>2</sub>O = 1): 1.6

Vapor Pressure (mm Hg.): NA

Percent Volatile by Volume: NA

Vapor Density (Air = 1): NA

Evaporation Rate: NA

Solubility in Water: Slight

pH: When mixed with water, the resulting material will be highly alkaline, pH = 12.5

Appearance and Odor: Grey or white powder, no odor

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## **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: If paper bag or plastic pail packaging is involved in a fire, toxic smoke and silica dust may become airborne. Fire fighting personnel must use supplied air equipment.

Unusual Fire &amp; Explosion Hazards: NA

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

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

Carcinogen – NTP Program: Not listed

Carcinogen – IARC Program: Yes (Silicon Dioxide)

Symptoms of Exposure: Acute – Wet cement, especially as an ingredient in plastic mortars, 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. (Portland 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. Contact with liquid will cause material to set and harden.

Incompatibility (Materials to Avoid Contact): NA

Hazardous Decomposition or By-Products: None known

Hazardous Polymerization: Will not occur.

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

Spill Response: Use dry cleanup methods that do not disperse the dust into the air. Use an industrial type HEPA vacuum unit to collect spilled powder. Collected powder should then be placed in original container or plastic pail and disposed of in licensed landfill as ordinary construction waste. 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.

## **Section 8. Control Measures**

Respiratory Protection: NIOSH approved respirator for silica dust exposure.

Ventilation: Local exhaust recommended to control airborne dust levels when using in confined spaces.

Skin Protection: Wear rubber gloves and protective clothing to protect skin from prolonged contact. Barrier creams may be necessary for some individuals with skin sensitivity to cement.

Eye Protection: Use tight-fitting safety goggles

Other Protection: NA

## **Section 9. Special Precautions**

Hygienic Practices in Handling and Storage: This product may contain 2 - 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. Always take safety precautions and wear appropriate safety equipment to prevent exposure to either the dry dust or wet cement mortars, in accordance with recognized construction practices in the industry.

**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.