

# MSDS **UNITEX** Material Safety Data Sheet

## HYDRAULIC CEMENT

Page 1 of 4

MSDS Number: 4009

Revision Date: 8/1/2007

1

### PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

UNITEX

3101 Gardner Ave.  
Kansas City, MO 64120

**Contact:** Technical Services

**Telephone Number:** 816-231-7700

**FAX Number:** 816-483-3149

**E-Mail:** mail@unitex-chemicals.com

**Web** www.unitex-chemicals.com

Product Name: HYDRAULIC CEMENT

Revision Date: 8/1/2007

MSDS Number: 4009

Product Code: HYDRAULIC CEMENT

EMERGENCY TELEPHONE No.: 800-424-9300 CHEMTREC 24 hrs.

2

### COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
65997151	Portland cement	30-60%
14808607	Crystalline Silica	30-60%
7631869	Silica, amorphous	0-5%

# MSDS Material Safety Data Sheet

UNITEX

## HYDRAULIC CEMENT

Page 2 of 4

MSDS Number: 4009

Revision Date: 8/1/2007

### 3 HAZARDS IDENTIFICATION

- Route of Entry:** Inhalation  
**Target Organs:** None Known  
**Inhalation:** Repeated inhalation of respirable dust over extended periods of time may cause injury to the lungs (silicosis).  
**Skin Contact:** May cause sensitisation by skin contact.  
**Eye Contact:** May cause burning and corneal edema.  
**Ingestion:** May cause caustic burns in the mouth, esophagus and stomach.

This product contains detectable amounts of chemicals known to the state of California to cause birth defects/cancer or other reproductive harm: Crystalline Silica (SiO<sub>2</sub>).

Portland Cement  
CAS No.: 65997151

OSHA PEL / 10 mg/m<sup>3</sup>  
ACGIH TLV / 10 mg/m<sup>3</sup>  
OTHER LIMITS / 50 MPPCF

Crystalline Silica  
CAS No.: 14808607

OSHA PEL / 10 mg/m<sup>3</sup>  
ACGIH TLV / 0.1 mg/m<sup>3</sup>  
OTHER LIMITS / NA

Silica Amorphous  
CAS No.: 7631869

OSHA PEL / NA  
ACGIH TLV / NA  
OTHER LIMITS / NA

**SIGNS AND SYMPTOMS OF EXPOSURE:** Cough, dyspnea (breathing difficulty), wheezing, decreased pulmonary function, progressive respiratory symptoms (silicosis), irritation of eyes and potential occupational carcinogen.

### 4 FIRST AID MEASURES

- Inhalation:** Move to fresh air. If cough, irritation, or difficulty in breathing persist or develops, call a physician.  
**Skin Contact:** Do not rub skin. Rinse skin free of material with water to avoid abrasion of skin. Wash thoroughly with soap and water. SOLVENTS SHOULD NOT BE USED because they carry the irritant into the skin.  
**Eye Contact:** Flush eyes with large amounts of water until subsides. If necessary gently hold open eyelids during the flush. If irritation persists, get medical attention.  
**Ingestion:** May cause caustic burns and tissue damage. Administer milk or water. Do not induce vomiting. Call a physician or Poison Control Center immediately. Do not give anything orally to an unconscious person.

### 5 FIRE FIGHTING MEASURES

Flash Point: Non-Flammable  
Flash Point Method: Tag closed cup  
LEL: NA  
UEL: NA  
Flammability Classification: Non-Flammable

Other:  
None

### 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled. No hazard. Vacuum or sweep up and dispose of in standard landfill. Avoid excessive dusting.

Waste Disposal Method: Preferred procedure is to vacuum material. Otherwise, spray with water and clean up with broom and shovel. Dispose of in accordance with local, state and federal regulations.

# MSDS Material Safety Data Sheet

UNITEX

## HYDRAULIC CEMENT

Page 3 of 4

MSDS Number: 4009

Revision Date: 8/1/2007

### 7 HANDLING AND STORAGE

**Handling Precautions:** Avoid dusting and prolonged contact between skin surfaces and wet or moist Portland Cement.  
**Storage Requirements:** Store material on pallets in a dry location.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces.

**Protective Equipment:** Immediately remove contaminated clothing. Wash hands before eating or drinking and practice good hygiene. Avoid contact with eyes and skin.

**PROTECTIVE CLOTHING/EQUIPMENT:** Wear impermeable gloves based on suitability to protect from contact. Wear protective goggles, per OSHA eye and face protection regulations (29 CFR 1910.133).

**RESPIRATORY PROTECTION:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear OSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White

**Physical State:** Solid Powder

**Odor:** None

**pH:** NA

**Vapor Pressure:** NA

**Vapor Density:** (Air=1) NA

**Boiling Point:** NA

**Freezing/Melting Pt.:** NA

**Solubility:** Negligible

**Spec Grav./Density:** (H<sub>2</sub>O=1) 2.2

Percent volatile: 0 g/l

### 10 STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to avoid:** None

**Materials to avoid (incompatibility):** None

**Hazardous Decomposition products:** None

**Hazardous Polymerization:** Will not occur.

### 11 TOXICOLOGICAL INFORMATION

No data available. See Sections 3 and 15.

# MSDS Material Safety Data Sheet

**UNITEX**

## HYDRAULIC CEMENT

Page 4 of 4

MSDS Number: 4009

Revision Date: 8/1/2007

### 12 ECOLOGICAL INFORMATION

No data available.

### 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations.

### 14 TRANSPORT INFORMATION

Not regulated by D.O.T.

### 15 REGULATORY INFORMATION

**CHRONIC EFFECTS:** Component Crystalline Silica. The International Agency for Research on Cancer (IARC) has evaluated Crystalline silica (group 1), and classified it as a possible human carcinogen based on sufficient evidence from cancer in exposed humans.

The National Toxicology Program (NTP) has listed Crystalline Silica as a group 2 carcinogen and by the state of California (Proposition 65) as carcinogenic to humans.

### 16 OTHER INFORMATION

The information and recommendations in the document are based on the best information available to us at the time of preparation. We make no other warranty, expressed or implied, as to the correctness or completeness, or as to the results or reliance of this product.

**END OF MSDS DOCUMENT**