



# MATERIAL SAFETY DATA SHEET

**Xypex Chemical Corporation**  
13731 Mayfield Place  
Richmond, British Columbia  
Canada V6V 2G9

## Product Identifier

Xypex Concentrate	Xypex Admix C-1000
Xypex Concentrate DS 1	Xypex Admix C-2000
Xypex Concentrate DS 2	Xypex Modified
Xypex Patch'n Plug	

## Product Use

Waterproofing and Protection of Concrete

## Emergency Assistance

For emergency assistance involving products, call Xypex at (604) 273-5265

## Hazardous Ingredients

Portland Cement	
Silica Sand	
Alkaline Earth Compound	LD <sub>50</sub> 7.34 g/kg (oral, rat) <sup>2</sup>

## Physical Data

Physical State - Solid  
Odor & Appearance - Odorless grey color  
pH - 9.1 (EPA method - 2 parts water to 1 part powder by volume weight)  
Specific Gravity - 2.8 (water)

## Fire and Explosive Data

Xypex Cementitious Products are not flammable and are not subject to explosion.

## Reactivity Data

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- Xypex Cementitious Products are chemically stable.
- Products are incompatible with strong acids.
- Products may liberate Carbon Monoxide or Carbon Dioxide.
- Alkaline earth compounds will cause explosive decomposition of maleic anhydride, nitroalkanes, and nitroparaffins, in the presence of water, form salts with inorganic salts and with inorganic bases. The dry salts are explosive.

## Toxicology Properties

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### Effects of Acute Exposure to Products

- Ingredients in the products are dermal irritants and dermatitis may develop following exposure.
- Ingredients may also irritate or cause burning sensation to eyes, nose & throat. Eye burns can result from exposure to Alkaline earth compounds.

### Effects of Chronic Exposure to Products

- Exposure to dust can cause perforation of the nasal septum.
- Prolonged exposure to ingredients in these products can cause lung and respiratory tract damage.
- Portland Cement and Alkaline earth compound are corrosive to the skin.
- Excessive inhalation of crystalline silica dust may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis. IARC has concluded that there is "sufficient evidence for the carcinogenicity of inhaled crystalline silica in the form of quartz and cristobalite in certain industrial circumstances, but that the carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs".

- Exposure Limit
- TWA 10 mg/m<sup>3</sup> Portland Cement Total Dust (OSHA PEL)
  - TLV-TWA 5 mg/m<sup>3</sup> Alkaline earth compound (ACGIH)
  - TLV-TWA 0.1 mg/m<sup>3</sup> (respirable)(ACGIH)

It is advisable to also consult with local authorities for acceptable provincial values.

## Preventive Measures

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### Personal Protective Equipment

- It is recommended that user wear rubber gloves, rubber boots, NIOSH or equivalent dust mask, tight-fitting safety goggles, and impervious clothing that protects skin from contact.

- Additional safety precautions may include, eyewash station, shower facility, and ventilation sufficient in volume and distribution to maintain dust exposure below the 10 mg/m<sup>3</sup> level.

#### Disposal Procedures

- Can be disposed of as common waste.
- Avoid the creation of respirable dust.
- Consult with federal state and municipal regulation regarding disposal.

#### Storage Requirements

- Store in dry, moderate environment, and protect from water or cold damage.
- Keep in sealed steel containers until product is required.

### First Aid Measures

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#### Eye Contact

- Quickly and gently blot or brush away any dry powder.
- Irrigate with large amounts of water for at least 15-20 minutes.
- Seek immediate medical attention.

#### Skin Contact

- Under running water, remove contaminated clothing, shoes and leather goods.
- Continuously flush contaminated area with lukewarm, gently flowing water for at least 20-60 minutes.
- Seek immediate medical attention.

#### Inhalation

- Move person to fresh air and seek immediate medical attention.

#### Oral Ingestion

- Drink 1 cup (240-300 ml) of water followed by dilution with milk, if available.
- Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.
- Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.
- Seek immediate medical attention.

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MSDS prepared by the Technical Services Department of Xypex Chemical Corporation, April 1, 2003  
For emergency assistance involving products, call Xypex at (604) 273-5265

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The information in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information given is based on technical data that we believe to be reliable at the time of issuing the MSDS. Because conditions of use are outside our control, it is the responsibility of the user to verify safety data for combinations with other materials, or for use in specific processes, and to verify waste disposal requirements.