



Xypex Chemical Corporation
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Richmond, British Columbia
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Product Identifier

Xypex Concentrate & Concentrate White
Xypex Modified & Modified White
Xypex Admix C-500, Admix C-1000 & Admix C-2000
Xypex Admix C-500 NF, Admix C-1000 NF & Admix C-2000 NF
Xypex Concentrate DS 1 & 2
Xypex Patch'n Plug
Megamix I & Megamix II
FCM Powder

Product Use

Waterproofing and Protection of Concrete

Emergency Assistance

For emergency assistance involving products, contact Xypex at (604) 273-5265 or (800) 961-4477.

Hazardous Ingredients

Portland cement	CAS No. 65997-15-1 OSHA PEL – 50 mppcf or 15 mg/m ³ (total dust) and 5 mg/m ³ (respirable fraction) ACGIH TLV TWA of 10 mg/m ³ , particulate matter contains no asbestos and < 1% crystalline silica
Silica Sand	CAS No. 14808-60-7 ACGIH TLV TWA of 0.05 mg/m ³ (respirable fraction) and A2 (suspected human carcinogen) LD ₅₀ > mg/kg (oral, rat)
Alkaline Earth Compound	ACGIH TLV TWA of 2 mg/m ³ LD ₅₀ 7.34 g/kg (oral, rat) ²

** Cementitious Mixture – classed as an irritant and potential for being corrosive, follow instructions below re appropriate personal protective measures.*

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

- 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

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/m³ Portland cement (total dust) or 5 mg/m³ (respirable fraction) (OSHA PEL)
- TWA of 0.05 mg/m³ Silica Sand (respirable fraction) and A2 (suspected human carcinogen) (ACGIH)
- TLV-TWA 2 mg/m³ Alkaline earth compound (ACGIH)

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

Preventive Measures

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/m³ level.

Disposal Procedures

Product can be disposed of as common waste. Avoid the creation of respirable dust. Consult with federal, state and municipal regulations 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

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.

MSDS prepared by the Technical Services Department of Xypex Chemical Corporation, April 12, 2010. For emergency assistance involving products, call Xypex at (604) 273-5265 or (800) 961-4477.

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.