



Material Safety Data Sheet

Xypex Restora-Top 50, 100, 200

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

Product Identifier

Restora-Top 50
Restora-Top 100
Restora-Top 200

Product Use

Repair of Concrete Surfaces

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
Silica Sand	Dust may contain respirable crystalline silica
0.5 Steel Fibers	Only contained in Restora-Top 200

Cementitious Mixture – Class D2 (Irritant) Class E (Corrosive)

Physical Data

Physical State: solid
Odour & Appearance: odourless grey color powder
pH: 10 - 12 (EPA method – 2 parts water to 1 part powder by volume weight)
Specific Gravity: 2.7 - 2.9 (water)

Fire and Explosive Data

Xypex Restora-Top products are not flammable and are not subject to explosion.

Reactivity Data

Xypex Restora-Top products are chemically stable, incompatible with inorganic acids & water and can react with inorganic acids, giving carbon dioxide gas or react with water forming polymerized silicates and calcium hydroxide.

Toxicology Properties

Effects of Acute Exposure to Products

Ingredients may irritate eyes, nose and throat and can cause caustic burns to skin and eyes if contact is prolonged.

Effects of Chronic Exposure to Products

Exposure to dust can cause inflammation of eyes and nasal passages. Prolonged contact under moist conditions can cause caustic burns. Excessive inhalation of crystalline silica dust may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis. It can also have adverse effects on lymph nodes, kidneys and auto immune disease. IARC has concluded that there is "sufficient evidence for the carcinogenicity to humans 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 polymorph". The silica quartz has also been shown to cause mutagenic activity in mammalian and human cells, in vitro.

Exposure Limit

10 mg total dust/m³ for a work shift up to 10 hours per day, 40 hours per week.

It is advisable to also consult with local authorities for acceptable state or provincial 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

The dry powder product can be disposed of as non-metallic mineral. Avoid the creation of respirable dust. Use dustless procedures to collect and dispose of the powder. Consult with federal, state or provincial 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

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 if irritation persists.

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 if irritation persists.

Inhalation

Move person to fresh air and seek immediate medical attention if required.

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.