



# MATERIAL SAFETY DATA SHEET

## Section 1 - Product and Company Identification READY MIX CONCRETE

**Product Identification:** READY MIX CONCRETE  
**Date of MSDS:** 04/01/03 **Technical Review Date:** 04/01/07  
**Submitter:**  
**WHMIS Class:** D2A. E  
**Chemical Formula:** Mixture-NA  
**CAS # (Chemical Abstracts Number):** Mixture-NA

**Manufactured by:** City Mix Incorporated  
29 Terracon Place  
Winnipeg, MB R2J 4B3  
Canada  
**Emergency Telephone:** 204-233-3332

## Section 2 - Composition/Information on Ingredients

**Ingredient Name:** FLYASH see Flyash MSDS  
**Ingredient CAS Number:** 68131-74-8 **Ingredient CAS Code:** M

**Ingredient Name:** Mineral Inorganic Filler (Sand & Stone)  
**Ingredient CAS Number:** **Ingredient CAS Code:** NA

**Ingredient Name:** Portland Cement, See Portland Cement MSDS

**Ingredient Name:** WATER, H<sub>2</sub>O  
**Ingredient CAS Number:** 7732-18-5 **Ingredient CAS Code:** M

## Section 3 - Hazards Identification, Including Emergency Overview

### Health Hazards Acute & Chronic:

**Acute:** Wet Concrete in a plastic state can cause the skin to dehydrate and alkali irritation.

**Chronic:** Hypersensitive individuals may develop an allergic dermatitis.

### Signs & Symptoms of Overexposure:

**Eyes:** Irritation.

**Skin:** Dryness, Alkali burns, inflammation, Dermatitis and rash.

**Inhalation:** Upper respiratory system irritation and nose tissue lining inflammation.

### Medical Conditions Aggravated by Exposure:

Dermatitis.

## Section 4 - First Aid Measures

### First Aid:

**INGEST:** Call Doctor immediately. Do not induce vomiting.

**INHALENT:** Remove to fresh air. Support breathing if necessary. (Give Oxygen/Respiration)

**SKIN:** Exposed skin should be washed with soap and water.

**EYES:** Splashed concrete paste into eyes - irrigated immediately and repeatedly with clean water.

## Section 5 - Fire Fighting Measures

**Fire Fighting Procedures:** Use CSA Approved SCBA for smoke exposure and full Protective Equipment



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**Unusual Fire or Explosion Hazard:** Portland Cement Concrete is noncombustible and not explosive.

**Extinguishing Media:** Dry Chemical, CO<sub>2</sub>, Water Spray and Foam

**Flash Point:** Flash Point Text: NA    **Autoignition Temperature:** NA    **Lower Limit(s):** NA    **Upper Limit(s):** NA

## Section 6 - Accidental Release Measures

**Spill Release Procedures:** Use Barrier Creams, rubber gloves, boots and clothing to protect skin. Avoid skin abrasions to contact concrete. Precaution is important because burns occur with little contact. Create a dike to prevent spread of spill. Allow to harden if possible then remove as hardened mass.

## Section 7 - Handling and Storage

**Handling and Storage Precautions:** Avoid contact with eyes and skin. Do not ingest. Professional use only.

## Section 8 - Exposure Controls & Personal Protection

**Respiratory Protection:** Use CSA Approved Respirator as required

**Ventilation:** None Specified    **Protective Gloves:** Impervious Gloves    **Eye Protection:** CSA Approved Safety Glasses

**Other Protective Equipment:** Use Barrier Creams, Rubber gloves and boots and clothing to protect skin

**Work Hygienic Practices:** NONE SPECIFIED.

**Supplemental Health & Safety Information:**

**Appearance/Odor:** Concrete is a fluid substance in its original form made of Portland Cement, fine and course aggregates and water. It has little or no odor. It is normally gray (but not always), plastic, flowable, granular mud.

**Conditions to Avoid:** Hydrates considered Alkaline during reaction and hydration process. Concrete will not decompose into byproducts.

## Section 9 - Physical & Chemical Properties

**Physical State:** plastic when wet, hard physical mass after time.

**Boiling Point:** >1000 C

**Vapor Pressure:** NA

**Specific Gravity:** 1.7 – 3.5

**Solubility in Water:** (slight) 0.1 – 1.0%

**Melting/Freezing Point:** NA

**Vapor Density:** NA

**pH:** 12-13 in water

**Percent Volatiles by Volume:** 0%

**Viscosity:** NA

**Corrosion Rate:** NA

## Section 10 - Stability & Reactivity Data

**Stability Indicator:** This product is stable

**Materials to Avoid:** None

**Stability Condition to Avoid:** Dissolves in hydrofluoric acid producing corrosive silicon tetrafluoride gas.

**Hazardous Decomposition Products:** None.

## Section 11 - Toxicological Information

**Toxicological Information:** NA

## Section 12 - Ecological Information

**Ecological Information:** NA

## Section 13 - Disposal Considerations

**Waste Disposal Methods:** Disposal must be in accordance with Federal, Provincial and Local regulations.

## Section 14 - MSDS Transport Information

**Transport Information:** Transport for short distances (less than 2 hours) under normal conditions.

Preferable transport includes constant agitation of product to inhibit change from plastic to solid prior to destination.

Not a Hazardous Material for TDG shipping.

## Section 15 - Regulatory Information

WHMIS: This product contains substances considered hazardous by Health Canada and is a controlled product. For WHMIS information call (613) 957-2342

## Section 16 - Other Information

Information in this MSDS is believed to be current and accurate at the time provided. It is the user's obligation to determine the conditions of safe use of this product.