



READY-MIX CONCRETE

SECTION 1. IDENTIFICATION

Product Identifier	READY-MIX CONCRETE
Other Means of Identification	Ready-Mix Concrete (various strengths)
Product Family	MULTICRETE™ READY-MIX CONCRETE
Recommended Use	Construction and maintenance.
Restrictions on Use	None known.
Manufacturer	Multicrete Systems Inc., 360-555 Hervo Street, Winnipeg, MB, R3T 3L6, www.multicretesystems.com
Emergency Phone No.	Multicrete Systems Inc., (204) 262-5900
SDS No.	0101
Date of Preparation	May 25, 2018

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin irritation - Category 2; Serious eye damage - Category 1; Skin sensitization - Category 1; Carcinogenicity - Category 1A; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
May cause cancer.
May cause respiratory irritation.
Causes damage to organs (lungs) through prolonged or repeated exposure.

Precautionary Statement(s):

Do not handle until all safety precautions have been read and understood.
Wash hands thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
Use only outdoors or in a well-ventilated area.
Do not breathe dust/fume/gas/mist/vapors/spray.
Do not eat, drink or smoke when using this product.

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IF exposed or concerned: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Immediately call a POISON CENTRE or doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE or doctor if you feel unwell.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents and container in accordance with local, regional, national and international regulations.

10% of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Crystalline Silica	14808-60-7	0-90%	Not applicable
Portland Cement	65997-15-1	10-30%	Not applicable
Calcium Carbonate	471-34-1	0-20%	Not applicable
Tricalcium Silicate	12168-85-3	20-70%	Not applicable
Dicalcium Silicate	10034-77-2	10-60%	Not applicable
Tetracalcium Alumino Ferrite	12968-85-3	5-15%	Not applicable
Tricalcium Aluminate	12042-78-3	1-15%	Not applicable
Calcium Sulfate	13397-24-5	2-10%	Not applicable
Magnesium Oxide	1309-48-4	0-4%	Not applicable
Inorganic Filler (Sand & Stone)	-	10-90%	Not applicable

Notes

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Certain additives may be incorporated in the ready-mix concrete. SDS's are available for such additives upon request.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor if you feel unwell.

Skin Contact

Rinse with lukewarm, gently flowing water for 15 minutes. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Immediately call a Poison Centre or doctor.

Ingestion

Drink plenty of water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Get medical advice or attention if you feel unwell or are concerned.

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Most Important Symptoms and Effects, Acute and Delayed

If inhaled: can irritate the nose and throat, can cause lung injury. *If on skin:* skin sensitizer, may cause an allergic skin reaction in some people. May cause moderate to severe irritation. *If in eyes:* causes moderate to severe irritation. Symptoms include sore, red eyes, and tearing. *If swallowed:* can irritate the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

This product presents no unusual hazards in a fire situation.

Special Protective Equipment and Precautions for Fire-fighters

Approach fire from upwind to avoid hazardous vapors or gases.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Isolate the hazard area and allow for concrete to harden if able to and remove as a hardened mass.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Collect using shovel/scoop and place in a suitable container for disposal. Avoid generating dust.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid repeated or prolonged skin contact. Do not swallow. Do not breathe in this product. Avoid generating dusts.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Wear a NIOSH approved particulate respiratory equipped with an N95, R95, or P95 filter.

Other Protective Equipment

Use Barrier Creams, rubber gloves and boots and clothing to protect skin.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Grey
Odor	Odorless
Odor Threshold	Not available
pH	12-13 in water
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	>1000 °C
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available
Vapor Pressure	Not available
Vapor Density (air = 1)	Not available
Relative Density (water = 1)	1.7-3.5
Solubility	(slight) 0.1-1.0%
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Other Information	
Physical State	Plastic when wet, hard physical mass after time.

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of use.

Incompatible Materials

Dissolves in hydrofluoric acid.

Hazardous Decomposition Products

None.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological Information: N/A

SECTION 12. ECOLOGICAL INFORMATION

Ecological Information: N/A

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

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SECTION 14. 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 state prior to destination.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This product contains substances considered hazardous by Health Canada and is a controlled product.

SECTION 16. OTHER INFORMATION

SDS Prepared By Multicrete Systems Inc.
Phone No. 204-262-5900
Date of Preparation May 25, 2018
Disclaimer To the best of our knowledge, the information contained herein is accurate. However, Multicrete Systems Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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