



SAFETY DATA SHEET (SDS)

Section 1: Identification

Product Name: Consumers Ready Mix Concrete

Other Means of Identification: Ready Mix Concrete, Concrete Ready Mix, Portland Cement Concrete, Ready Mix Grout, Fresh Mixed Concrete, Permeable Concrete, Shotcrete, Colored Concrete, Flowable Fill, Fiber Reinforced Concrete, Colored Concrete

Supplier's Details: Consumers Concrete Corporation PO Box 2229 Kalamazoo, MI 49003-2229

Emergency Telephone Number: Consumers Concrete 800-643-4235

Section 2: Hazard(s) Identification

Hazard Classification:

Skin Sensitization – Category 1
Eye Damage/Irritation Category 1
Skin Corrosion/Irritation Category 2
Specific Target Organ Toxicity (Single Exposure) (Respiratory Tract Irritation): Category 3
Specific Target Organ Toxicity (Repeated Exposure) Category 1

Signal Word(s):

Danger

Hazard Statements:

Cause severe skin burns and serious eye damage.
May cause an allergic skin reaction.
May cause respiratory irritation.

Pictograms:



Precautionary Statements:

Wear protective gloves. Wear eye and/or face protection. Avoid breathing dust. Wash hands and skin thoroughly after handling. May cause eye and skin burns. See Section 4 for additional details. Overexposure to wet concrete can cause severe, potentially irreversible tissue (skin, eye, respiratory tract) damage in the form of

chemical burns, including third degree burns. The same severe injury can occur in wet or moist skin is exposed to Ready Mixed Concrete dust. Clothing wet with moisture from concrete can transmit the caustic effects to the skin, causing chemical burns. Ready Mixed Concrete may cause skin burns with little warning; discomfort or pain cannot be relied upon to alert a person of serious injury. Pain or the severity of the burn may not be felt or known until hours after the exposure.

Hazards not otherwise classified:

Not applicable

Section 3: Composition/ Information on Ingredients

Substance / Mixture:

Ready Mix Concrete

Ingredient Name	%	CAS #
Aggregates / Crushed Stone	35-60	Varies
1L (10) Cement	25-30	65997-15-1
Fly Ash	0-25	68131-74-8
Water	5-10	7732-18-5
Crystalline Silica (Quartz)	0-2	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation. Chemical admixtures may be present in ranges of less than 1%

Individual composition of hazardous constituents may vary between types/different mix designs of Ready Mixed Concrete.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment.

Occupational exposure limits, if available, are listed in Section 8.

Section 4: First-Aid Measures

Inhalation:

Seek medical help if coughing or other symptoms persist. Inhalation of large amounts of Ready Mixed Concrete requires immediate medical attention. Call a poison center or physician. Remove individual to fresh air and keep at rest in a position comfortable for breathing. If the individual is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin Contact:

Wash affected areas with water and soap. Remove contaminated clothing and wash before reuse. If irritation develops or persists obtain medical attention.

Eye Contact:

If exposed or concerned: get medical attention. Do not allow the individual to rub eyes. Flush eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. Other than washing with water, do not attempt to remove material from eyes. Remove contact lenses, if present and easy to do.

Ingestion:

Not a common route of occupational exposure. If swallowed, obtain medical attention.

Important Symptoms/Effects, Acute and Delayed:

Inhalation:

May cause respiratory irritation. Adverse symptoms may include the following: respiratory tract irritation, coughing.

Skin Contact:

May cause severe burns. May cause an allergic skin reaction. Adverse symptoms may include the following: pain or irritation, redness, blistering may occur.

Eye Contact:

May cause serious eye damage. Adverse symptoms may include the following: pain, watering, redness.

Ingestion:

May cause severe internal burns. Do not induce vomiting unless instructed to do so by a trained medical professional. Seek medical attention immediately.

Notes to Physician:

Treat symptomatically, contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Protection of first-aiders:

No action shall be taking involving any personal risk or without suitable training. It may be dangerous to provide aid to include mouth-to-mouth resuscitation. Wear gloves when removing contaminated clothing.

General Information:

Pre-existing medical conditions that may be aggravated by exposure include disorders of the eye, skin, and lungs. Tobacco smoking will impair the ability of the lungs to clear themselves of dust.

Section 5: Fire-Fighting Measures**Suitable extinguishing agents:**

Not combustible or flammable, use extinguishing agent appropriate for surrounding flammable materials.

Unsuitable Extinguishing Agents:

None, not combustible or flammable.

Specific Hazards Arising from the Product:

None, not combustible or flammable.

Hazardous Thermal Decomposition Products:

None, not combustible or flammable.

Special Protective Actions and Precautions for Fire-Fighters:

Using protective equipment appropriate for the handling the material.

Section 6: Accidental Release Measures**Personal Precautions:**

Keep unprotected individuals out of the area. When handling wet concrete all steps should be taken to avoid contact with the skin and eyes.

Measures for Environmental Protection:

Wet unhardened concrete should be recycled or allowed to harden and disposed. Do not wash concrete into sewage, drainage, or into bodies of water.

Measures for Cleaning/Collecting:

Place spilled material into a contained area and allow to harden.

Section 7: Handling and Storage**Handling:**

Use all appropriate personal protective equipment to avoid skin and eye contact. Persons with skin sensitivity should not be employed in any process in which this product is used. Avoid exposure to individuals by properly training and equipping with the tools required to handle this product.

Storage:

Product should be used immediately in in wet form as it changes to a solid once dry.

Section 8: Exposure Controls/Personal Protection

Ingredient Name	OSHA (PEL)	ACGIH OEL (TLV)	MSHA (PEL)
Quartz	TWA: 10 mg/m ³ / (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 250 MPPCF / (%SiO ₂ +5) 8 hours. Form: Respirable	TWA: 0.025 mg/m ³ 8 hours. Form: Respirable fraction.	N/A
Cement	TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust	TWA: 1 mg/m ³ 8 hours. Form Respirable fraction.	N/A
Limestone	TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction. TWA: 15 mg/m ³ 8 hours. Form: Total Dust	TWA; 5 mg/m ³ 10 hours. Form Respirable fraction.	N/A
Fly Ash	TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction. TWA: 15 mg/m ³ 8 hours. Form: Total Dust	TWA: 10 mg/m ³ 10 hours. Form: Total	N/A

Appropriate Engineering Controls:

The use of adequate ventilation. Under normal conditions general ventilation will suffice to keep levels below appropriate limits.

Individual Protection Measures:

Clean water should always be readily available for the skin and emergency eye washing. To prevent contact with eyes safety glasses should be always work when handling in its wet form. Appropriate footwear and handwear should be impervious, waterproof, and abrasion resistant.

Section 9: Physical and Chemical Properties

Appearance:

Physical State: Flowable, granular mud-like material.

Color: Gray

Odor: Odorless

Odor Threshold: N/A

pH: Pour Solution 12+

Melting point/freezing point: N/A
Boiling Point: N/A
Flash Point: N/A
Buring Time: N/A
Buring Rate: N/A
Evaporation Rate: N/A
Flammability (Solid, Gas): N/A
Lower/Upper Flammability or Exposure Limits: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Relative Density: 1.5 – 3.0
Solubility: N/A
Solubility in Water: Negligible
Partition Coefficient: N-Octanol/Water: N/A
Auto Ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: N/A

Section 10: Stability and Reactivity

Reactivity:

Stable

Chemical stability:

Stable

Possibility of Hazardous Reaction:

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid:

None

Incompatible Material:

Acids, aluminum, ammonium salts, alkali, and alkaline earth compounds.

Hazardous Decomposition Products:

None

Section 11: Toxicological Information

Acute toxicity:

Not acutely toxic

Potential routes of exposure/potential health effects

Skin:

May cause severe burns, allergic reaction, pain, irritation, redness, or blistering.

Eye:

May cause serious eye damage. Adverse symptoms may include the following: pain, watering, redness.

Inhalation:

May cause respiratory irritation. Adverse symptoms include irritation and coughing.

Ingestion:

May cause burns to mouth, throat, and stomach. May be accompanied by pain or nausea.

Carcinogenic effects: N/A

Mutagenic effects: N/A

Reproductive toxicity: N/A

Sensitization: N/A

Target organs: N/A

Section 12: Ecological Information (non-mandatory)

Ecotoxicity:

Accidental discharge of unhardened product into waterways may lead to slight rise in PH.

Mobility: N/A

Biodegradation: N/A

Bioaccumulation: N/A

Section 13: Disposal Considerations (non-mandatory)

Disposal of unused products should be done in compliance with National, State, and Local requirements. The generation of waste should be avoided or minimized whenever possible. Do not runoff unused material into waterways, drains, or sewer systems.

Section 14: Transport Information (non-mandatory)

UN Number:

Not Regulated

UN Proper Shipping Name: N/A

Transport Hazard Class(es): N/A

Packing Group: N/A

Environmental Hazards: None

Transport in Bulk: N/A

Special Precautions:

It is the responsibility of the transporting entity to follow all applicable laws, regulations, and rules regarding the transport of this material.

Section 15: Regulatory Information (non-mandatory)

OSHA Hazard Communication:

This product is considered by OSHA to be a hazardous material and should be included in the employer's hazard communication program.

CERCLA/SUPERFUND:

This product is not listed as a CERCLA hazardous substance.

EPCRA SARA Title III:

This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 and is considered a hazardous and a delayed health risk.

EPCRA Sara Section 313:

This product may contain substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

RCRA:

If discarded in its hardened form, this product would not be a hazardous waste either by listing characteristics. However, under RCRA, it is the responsibility of the product user to determine at the time of the disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA:

Not regulated

Section 16: Other Information

Date of Last Revision: 8/10/2023