



MULCRETE
ARCHITECTURAL
CONCRETE ADMIXTURES

SAFETY DATA SHEET

ACCELERATOR

High-performance accelerator for precast, GFRC, UHPC and Wet Cast
55 lb (25 kgs)

- Optimized for high-production concrete applications.
- Boosts early and final concrete strength.
- Shortens curing cycles and demolding time.
- Typical demolding time: 3-4 hours.
- Reliable performance in cold weather conditions.
- Compatible with all Mulcrete products.

Complies with ASTM C-947-3.

Prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS Revision 3.



This Safety Data Sheet has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200(g)) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Revision 3.”

SECTION I. IDENTIFICATION OF THE HAZARDOUS CHEMICAL OR MIXTURE AND OF THE SUPPLIER OR MANUFACTURER.

Product Identifier:

Accelerator

Product Name:

ACCELERATOR

Other Means of Identification:

Calcium-based accelerating compound

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Recommended Use:

GFRC (Glass Fiber Reinforced Concrete); professional use; polymer-based preparations and components.

Restrictions on Use:

Not for consumer use. Not for direct handling without adequate ventilation.

Manufacturer/Supplier:

Name: Mulcrete, Mexico S.A.

Address: Calle Praga #4336, Col. Las Torres, Monterrey, N.L., México

Phone Number: +1 (619) 339 0780

Email: info@mulcrete.com

Emergency Phone Number (24 hours): +1 (619) 339 0780

SECTION 2. HAZARD IDENTIFICATION

GHS Classification (Hazard Category)

Not classified.

This substance/mixture is not considered hazardous according to the Globally Harmonized System (GHS). However, contact with dust or concentrated material may cause temporary eye irritation.

Signal Word

None.

Hazard Statements (H-codes)

Not applicable.

No hazard statements assigned.

Precautionary Statements (P-codes)

Not applicable.

GHS Pictograms



Classification System

NFPA / HMIS Rating Definitions:

0 = Minimum • 1 = Slight • 2 = Moderate • 3 = Serious • 4 = Severe

NFPA Rating (0–4):

- Health: 1
- Fire: 0
- Reactivity: 0

HMIS Rating (0–4):

- Health: 1
- Fire: 0
- Physical Hazard: 0

Other Hazards Not Otherwise Classified (HNOC)

- May cause eye irritation in case of direct contact with dust.
- May form combustible dust concentrations in air under certain conditions.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

According to OSHA Hazard Communication Standard 2012; 29 CFR Part 1910.1200

Mixture

The product is a mixture.

The product does not contain components classified as hazardous to health above the concentration limits established by applicable OSHA regulations.

Specific chemical identities and exact concentrations are withheld as a trade secret, as permitted by 29 CFR 1910.1200(i).

Common Name	Chemical Description	% by Weight
Accelerator	Calcium-based accelerating compound	10 – 100%

SECTION 4: FIRST AID MEASURES

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms: If dust is generated and inhaled, it may cause coughing and sneezing. Prolonged or repeated exposure may cause mild irritation of the respiratory tract.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Exposure Route / Aspect	First Aid Measures
General Advice	Consult a physician if symptoms occur or persist. Show this Safety Data Sheet to medical personnel.
Inhalation	In case of inhalation of dust or vapors at elevated temperatures, move the affected person to fresh air and keep at rest. If breathing is irregular or has stopped, administer artificial respiration. Seek medical attention if symptoms occur.



SECTION 4: FIRST AID MEASURES

Exposure Route / Aspect	First Aid Measures
Skin Contact	Remove contaminated clothing and footwear. Wash skin thoroughly with soap and plenty of water or with a suitable skin cleanser. Do not use solvents or thinners, as they may aggravate the condition. Seek medical attention if irritation persists.
Eye Contact	Rinse immediately with plenty of clean water, including under the eyelids, for at least 15 minutes. Remove contact lenses if present and easy to do. Do not allow the affected person to rub the eyes. Seek medical attention.
Ingestion	If accidentally swallowed, rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.
Protection of First-Aiders	Avoid direct skin contact. Use barrier protection when administering mouth-to-mouth resuscitation. Ensure medical personnel are aware of the materials involved and take appropriate protective precautions.
Most Important Symptoms and Effects (Acute and Delayed)	This product may cause irritation. Frequent or prolonged contact with skin or mucous membranes may result in redness or dermatitis. Inhalation of mist or airborne particles may irritate the respiratory tract. Some symptoms may be delayed.
Indication of Immediate Medical Attention and Special Treatment Needed	No specific treatment required. Treat symptomatically.



SECTION 5: FIRE-FIGHTING MEASURES

Measure	Information
Suitable Extinguishing Media	Water spray, dry chemical powder, carbon dioxide (CO ₂), alcohol-resistant foam.
Unsuitable Extinguishing Media	Do not use direct water jet. In the presence of energized electrical equipment, the use of water or foam is not acceptable.
Specific Hazards Arising from the Chemical	Fire may produce dense black smoke. Thermal decomposition may result in the formation of hazardous gases, including carbon monoxide (CO).
Additional Information	Cool containers exposed to fire with water spray. Prevent firefighting runoff from entering drains or watercourses.
Special Protective Equipment for Firefighters	Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment suitable for chemical fires.
Hazardous Combustion Products	Carbon dioxide. Exposure to combustion or decomposition products may be harmful to health.
Specific Fire-Fighting Methods	Fires should be assessed to determine appropriate safety measures and response protocols, including the establishment of safe zones, selection of suitable extinguishing media, protection of firefighting personnel, and actions to control or extinguish the fire. Prevent firefighting agents and runoff from entering drains, sewers, or watercourses.
Special Protective Actions for Firefighters	Firefighting personnel must use self-contained breathing apparatus (SCBA) and full protective firefighting suits. Use appropriate personal protective equipment such as protective gloves, safety goggles or face shields, and protective boots.



SECTION 6. ACCIDENTAL RELEASE MEASURES

Category	Information
Personal Precautions, Protective Equipment and Emergency Procedures	Refer to exposure controls and personal protective measures listed in Section 8. Avoid breathing dust. Ensure adequate ventilation.
Environmental Precautions	Prevent uncontrolled release into drains, surface water, groundwater, and soil.
Methods and Materials for Containment	Collect spilled material carefully to prevent further release. Transfer into properly labeled containers. Prevent additional leakage or spillage if safe to do so.
Methods for Cleaning Up	Collect mechanically or using non-sparking tools. Avoid generating dust during cleanup. Clean contaminated areas promptly using suitable cleaning methods and dispose of residues in accordance with local regulations.
Prevention of Secondary Hazards	Clean contaminated equipment and surfaces thoroughly while observing environmental regulations.
Other Information	Refer to protective measures listed in Sections 7 and 8.

SECTION 7. HANDLING AND STORAGE

Category	Information
Precautions for Safe Handling	Avoid eating, drinking, or smoking while handling the product. Follow standard industrial safety and hygiene practices. Do not apply pressure to empty containers, as they are not designed to withstand internal pressure. Handle in a manner that minimizes dust generation.
Advice on Safe Handling	Use the product only in accordance with good industrial practice. Avoid unnecessary exposure to dust. Ensure containers are compatible with the original packaging material.



SECTION 7. HANDLING AND STORAGE

Category	Information
Conditions for Safe Storage	Store in accordance with local regulations and product label instructions. Keep containers tightly closed in a dry, well-ventilated area. Recommended storage temperature: 5–35 °C (41–95 °F). Protect from moisture, heat sources, and direct sunlight.
Storage Incompatibilities	Keep away from ignition sources, strong oxidizing agents, and strongly acidic or alkaline materials.
Additional Storage Information	Do not smoke in storage areas. Restrict access to authorized personnel only. Once opened, reseal containers carefully and store upright to prevent leakage or spillage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Category	Information
Exposure Limits	This product, as supplied, does not contain hazardous materials with occupational exposure limits established by OSHA or other regulatory agencies.
Biological Exposure Limits	This product, as supplied, does not contain hazardous materials with biological exposure limits established by regulatory agencies.
Engineering Controls	Provide adequate ventilation. Local exhaust ventilation and general dilution ventilation should be used where dust may be generated.
Hand Protection	Wear protective gloves suitable for industrial use.
Respiratory Protection	Under normal conditions of use, respiratory protection is not required. If dust is generated or irritation occurs, use a NIOSH-approved particulate respirator and ensure adequate ventilation.
Eye / Face Protection	Safety glasses with side shields when handling the product or when dust may be generated.



Category	Information
Skin and Body Protection	Wear appropriate work clothing to minimize skin contact.
General Hygiene Considerations	Avoid breathing dust. Wash hands thoroughly after handling. Do not eat, drink, or smoke during use.
Environmental Exposure Controls	Do not allow the product to enter sewers, soil, or bodies of water.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Property	Value
Appearance	White crystalline solid
Physical Form	Powder
Color	White
Odor	Slight acetic acid-like odor
Odor Threshold	No applicable information available
Melting Point / Freezing Point	>300 °C (>572 °F)
Initial Boiling Point and Boiling Range	Not applicable
Flash Point	No data available
Evaporation Rate	Not applicable
Flammability (solid, gas)	Non-flammable
Upper Flammability or Explosive Limits	No data available



Property	Value
Lower Flammability or Explosive Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	2.02
Solubility in Water	Soluble in water
Partition Coefficient (n-octanol/water)	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available

SECTION 10. STABILITY AND REACTIVITY

Category	Information
Reactivity	No hazardous reactions are expected under normal conditions of use.
Chemical Stability	Stable under recommended handling and storage conditions (see Section 7).
Possibility of Hazardous Reactions	None under normal processing and handling conditions.
Conditions to Avoid	Avoid improper handling and conditions that may generate excessive dust.
Incompatible Materials	Keep away from strong oxidizing agents and strongly acidic or alkaline materials to prevent exothermic reactions.



SECTION 10. STABILITY AND REACTIVITY

Category	Information
Hazardous Decomposition Products	Carbon monoxide (CO) and carbon dioxide (CO ₂).
Corrosive to Metals	Not expected to be corrosive to metals.
Oxidizing Properties	Not oxidizing.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure Route	Information
Inhalation	No specific test data available for the substance or mixture. Dust inhalation may cause temporary respiratory discomfort.
Eye Contact	Splashes or dust contact may cause eye irritation with reversible effects.
Skin Contact	Prolonged or repeated contact may remove natural skin oils, potentially causing irritation or non-allergic dermatitis. Skin absorption may occur.
Ingestion	No specific test data available for the substance or mixture.

Symptoms Related to Physical, Chemical and Toxicological Characteristics

Category	Information
Symptoms	No information available.

Acute Toxicity

Category	Information
Numerical Measures of Toxicity	No data available.



Delayed, Immediate and Chronic Effects

Category	Information
Interactive Effects	No information available.
Skin Corrosion / Irritation	No information available.
Serious Eye Damage / Eye Irritation	Eye Irritation, Category 2 – Causes serious eye irritation.
Respiratory or Skin Sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive Toxicity	No information available.
STOT – Single Exposure	No information available.
STOT – Repeated Exposure	No information available.
Aspiration Hazard	No information available.
Other Information	No information available.

SECTION 12. ECOLOGICAL INFORMATION

Category	Information
Ecotoxicity	The environmental impact of this product has not been fully investigated.
Persistence and Degradability	No information available.
Bioaccumulative Potential	No information available.



SECTION 12. ECOLOGICAL INFORMATION

Category	Information
Mobility in Soil	Do not allow the product to enter sewers, soil, or bodies of water. Avoid release into the environment.
Other Adverse Effects	No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Category	Information
Waste Residues / Unused Product	Disposal into drains or bodies of water is prohibited. Dispose of product residues in accordance with local, state, and federal regulations.
Contaminated Packaging	Do not reuse empty containers. Dispose of containers in accordance with applicable regulations.

SECTION 14: TRANSPORT INFORMATION

Field	Information
UN Number (ONU)	Not applicable / Not regulated
UN Proper Shipping Name	Not applicable / Not regulated
Transport Hazard Class(es)	Not applicable / Not regulated
Packing Group	Not applicable / Not regulated
DOT (U.S.) Information	Not regulated
IMDG Information	Not regulated
IATA Information	Not regulated



SECTION 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations Specific for the Substance or Mixture

Federal Regulations

Regulation	Status / Information
TSCA (U.S.)	Listed / Active
TSCA Inventory Status	Authorized for manufacture and use in the United States
EPCRA 311/312 (Hazard Categories)	Refer to Section 2 of this Safety Data Sheet for applicable GHS hazard classifications

California Regulations

Regulation	Information
California Proposition 65	This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm at levels requiring a warning.

NFPA Hazard Ratings

Hazard	Rating
Health	0
Fire	0
Reactivity	0
Special	—



SECTION 16: OTHER INFORMATION

Legend – Section 8: Exposure Controls / Personal Protection

Abbreviation	Meaning
TWA	Time-Weighted Average
STEL	Short-Term Exposure Limit

Main Bibliographic References and Data Sources Used to Compile the SDS

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency (EPA), ChemView Database
- European Food Safety Authority (EFSA)
- Acute Exposure Guideline Levels (AEGl)
- U.S. Environmental Protection Agency, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
- U.S. Environmental Protection Agency, High Production Volume (HPV) Chemicals
- Food Research Journal
- Hazardous Substances Data Bank (HSDB)
- International Uniform Chemical Information Database (IUCLID)
- Japan GHS Classification

Main Bibliographic References and Data Sources Used to Compile the SDS

- Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
- NIOSH – National Institute for Occupational Safety and Health
- ChemID Plus — U.S. National Library of Medicine (NLM)
- PubMed Database — U.S. National Library of Medicine (NLM)
- National Toxicology Program (NTP)
- New Zealand Chemical Classification and Information Database (CCID)
- Organisation for Economic Co-operation and Development (OECD) publications on health, safety, and environment
- OECD High Production Volume Chemicals Program
- OECD Screening Information Data Set (SIDS)
- World Health Organization (WHO)

SDS Administrative Information

Field	Information
Date of Issue	August 19, 2024
Revision Date	February 31, 2025
Revision Note	Initial release

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of publication. This information is intended only as guidance for safe handling, use, processing, storage, transport, disposal, and release, and should not be considered a warranty or quality specification. The information applies only to the specific material identified and may not be valid if the material is used in combination with any other materials or processes unless expressly stated in the text.

Sincerely,
Mulcrete

End of Safety Data Sheet

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