MULCRETE

ARCHITECTURAL

CONCRETE ADMIXTURES

SAFETY DATA SHEET POLYMER

POLYMER ULTRA

High-performance polymer blend for GFRC, UHPC and Wet Cast

33 lb (15 kgs)

- Facilitates application on vertical surfaces
- Enhances flexibility
- Reduces cracking and porosity
- Shortens curing time
- Intensifies color
- UV stable
- Enhances workability

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:

Polymer Ultra

Product Name:

POLYMER ULTRA

Other Means of Identification:

Copolymer

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Recommended Use: GFRC (Glass Fiber Reinforced Concrete), and Wet Cast, professional use only; polymer 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 under the Globally Harmonized System (GHS).

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 form combustible dust concentrations in air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Common Name	Chemical Name	% by Weight
Copolymer	Proprietary polymer formulation	< 100%

SECTION 4. FIRST AID MEASURES

First Aid Measure	Instructions
General Advice	Seek medical attention if symptoms occur.
Inhalation	No inhalation hazards at ambient temperature. If dust or vapors at elevated temperatures are inhaled, move the victim to fresh air and keep at rest. Seek medical attention if symptoms develop.
Skin Contact	No health hazards associated with skin contact at ambient temperature. In case of contact with hot material and if irritation occurs, wash with plenty of water. Seek medical attention.
Eye Contact	Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention.
Ingestion	Rinse mouth thoroughly with water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.
First-Aid Personnel Protection	Avoid direct contact with skin. Use barrier devices when performing mouth-to-mouth resuscitation. Ensure that medical personnel are aware of the material involved and take precautions to protect themselves.

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.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to Physicians:
Treat symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

Fire-Fighting Measure	Information
Suitable Extinguishing Media	Water spray, carbon dioxide (CO_2), dry chemical agents, alcohol-resistant foam.
Unsuitable Extinguishing Media	None known based on available information.
Specific Hazards Arising from the Chemical	Avoid dust generation. Fine dust dispersed in air may ignite. Thermal decomposition may produce irritating and toxic gases and vapors.
Hazardous Combustion Products	Carbon monoxide (CO), carbon dioxide (CO_2).
Specific / Special Fire-Fighting Instructions	Fires should be assessed to determine appropriate safety measures and firefighting protocols, including establishing safe zones, selecting suitable extinguishing media, ensuring firefighter protection, and actions to control or extinguish the fire. Collect contaminated fire-extinguishing water separately. Do not allow it to enter drains.
Special Protective Equipment for Firefighters	Firefighting personnel must use self-contained breathing apparatus (SCBA) and full protective proximity gear. Use appropriate personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Category	Information
Personal Precautions, Protective Equipment and Emergency Procedures	Avoid breathing dust. Ensure adequate ventilation. Avoid dust generation. Avoid contact with eyes. Use required personal protective equipment. Do not breathe dust. REMOVE all sources of ignition (no smoking, sparks, or open flames in the immediate area). Prevent electrostatic charge buildup.
Environmental Precautions	For additional ecological information, see Section 12.
Methods and Materials for Containment	Collect and transfer into properly labeled containers. Prevent further leakage or spillage if it can be done safely. Avoid creating dust clouds.
Methods for Cleaning Up	Collect using a damp, non-combustible inert material and clean, non-sparking tools. Place into loosely covered plastic containers for disposal. Collect and transfer into properly labeled containers.
Prevention of Secondary Hazards	Clean contaminated objects and surfaces thoroughly, following environmental regulations.
Other Information	Refer to protective measures listed in Sections 7 and 8.

SECTION 7. HANDLING AND STORAGE

Category	Information
Safe Handling Conditions	Handle in accordance with good industrial hygiene and safety practices. Ensure adequate ventilation. Avoid dust generation. Do not breathe dust. This product is a poor conductor of electricity and may accumulate electrostatic charges. If sufficient charge builds up, ignition of flammable mixtures may occur. To reduce the potential for electrostatic discharge, use proper grounding and bonding

SECTION 7. HANDLING AND STORAGE

Category	Information
Safe Handling Conditions	procedures. Use personal protective equipment. Airborne dusts are potentially explosive. Avoid significant accumulation of material, especially on horizontal surfaces, that may become airborne and form combustible dust clouds contributing to secondary explosions. Handling and processing operations must follow “best practices” (e.g., NFPA-654).
Safe Storage Conditions	Keep containers tightly closed in a cool, dry, and well-ventilated place.
Incompatibilities	Strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Category	Information
Exposure Limits	This product, as supplied, contains no hazardous materials with occupational exposure limits established by regional regulatory agencies.
Biological Exposure Limits	This product, as supplied, contains no hazardous materials with biological exposure limits established by specific regional regulatory agencies.
Engineering Controls	Safety showers; Eyewash stations; Ventilation systems.
Eye / Face Protection	Safety glasses. If dust is generated: contact lenses should not be worn.
Skin and Body Protection	Protective clothing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Category	Information
Hand Protection	Protective gloves.
Respiratory Protection	Under normal conditions of use, no respiratory protection is required. If exposure limits are exceeded or irritation occurs, ventilation and evacuation may be necessary.
General Hygiene Considerations	Do not breathe dust.
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	Granules
Physical State	Solid
Color	White to off-white
Odor	No information available
Odor Threshold	No information available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Comments / Method
pH	Not applicable	No data available
Melting / Freezing Point	No data available	No data available
Initial Boiling Point and Boiling Range	Not applicable	No data available
Flash Point	No data available	No data available
Evaporation Rate	Not applicable	No data available
Flammability	Non-flammable	No data available
Upper Flammability or Explosive Limits	No data available	No data available
Lower Flammability or Explosive Limits	No data available	No data available
Vapor Pressure	No data available	No data available
Vapor Density	No data available	No data available
Relative Density	0.93 – 0.95 g/cm^3	No data available
Water Solubility	Insoluble in water	No data available
Solubility in Other Solvents	Organic solvents	No data available
Partition Coefficient (n-octanol/water)	No data available	No data available
Auto-ignition Temperature	No data available	No data available
Decomposition Temperature	No data available	No data available
Kinematic Viscosity	No data available	No data available
Dynamic Viscosity	No data available	No data available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Comments / Method
Explosive Properties	No information available	No data available
Oxidizing Properties	No information available	No data available
Softening Point	No information available	No data available
Molecular Weight	No information available	No data available
VOC Content (%)	No information available	No data available
Liquid Density	No information available	No data available
Bulk Density	No information available	No data available

SECTION 10. STABILITY AND REACTIVITY

Category	Information
Reactivity	None under normal conditions of use.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing conditions.
Conditions to Avoid	Excessive heat, electrostatic discharge, dust formation.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Decomposition products depend on temperature, exposure to air, and presence of other substances. Processing may release irritating fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Possible routes of exposure	Product information
Inhalation	No specific test data are available for the substance or mixture.
Eye contact	No specific test data are available for the substance or mixture.
Skin contact	No specific test data are available for the substance or mixture.
Ingestion	
Symptoms related to physical, chemical, and toxicological characteristics	Symptoms
Numerical measures of toxicity	No information available.

Delayed and immediate effects, as well as chronic effects from short- and long-term exposure

Category	**Information**
Interactive effects	No information available.
Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.

Delayed and immediate effects, as well as chronic effects from short- and long-term exposure

Category	Information
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 data	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.
Bioaccumulation	No information available.
Delayed and immediate effects, as well as chronic effects from short- and long-term exposure	—
Mobility in soil	No information available.
Other adverse effects	No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Methods for waste treatment

Waste residues/unused products

Dispose of waste in accordance with applicable environmental regulations. Dispose of in compliance with local regulations.

Contaminated packaging

Do not reuse empty containers.

SECTION 14: TRANSPORT INFORMATION

Field	Information
UN Number (ONU)	Not applicable / Not regulated
Proper shipping name	Not applicable / Not regulated
Hazard class	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

International regulations

- **Montreal Protocol on Substances that Deplete the Ozone Layer**: Not applicable

International regulations

- **Stockholm Convention on Persistent Organic Pollutants**: Not applicable
- **Rotterdam Convention**: Not applicable

International inventories

Contact the supplier for information on inventory compliance status.

SECTION 16: OTHER INFORMATION

Key or legend of abbreviations and acronyms used in the Safety Data Sheet Legend – Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Abbreviation	Meaning (English Translation)
TWA	Time-Weighted Average
TWA (promedio ponderado en el tiempo)	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, ChemView Database.
- European Food Safety Authority (EFSA).
- EPA (Environmental Protection Agency).
- Acute Exposure Guideline Levels (AEGL).
- U.S. Environmental Protection Agency, Federal Insecticide, Fungicide, and Rodenticide Act.
- U.S. Environmental Protection Agency, High Production Volume Chemicals.
- Food Research Journal.

Main bibliographic references and data sources used to compile the SDS

- Hazardous Substances Database.
- International Uniform Chemical Information Database (IUCLID).
- Japan GHS Classification.
- 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 CIP).
- PubMed Database — U.S. National Library of Medicine (NLM PubMed).
- 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.
- World Health Organization (WHO).

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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