

SECTION 1. Identification of the substance/mixture and of the company/undertaking:

Product identifier:	Metaforce
Other means of identification:	Metakaolin, artificial pozzolan.
Relevant identified uses of the substance or mixture and uses advised against:	Metaforce is a manufactured pozzolan that is highly reactive, designed to improve the performance and overall life of the Portland Cement in Mortar Mix designs and Concrete.
Suppliers details:	GCC Rio Grande Inc. 2825 W. Paisano Dr. El Paso, TX 79922 Phone: (915) 544-1750 Fax: (915) 544-1762 1(800)CALLGCC 1(800) 225-5422 techserv@gcc.com
Emergency telephone No:	1(800) CALLGCC 1(800) 225-5422

SECTION 2. Hazards identification:

Classification of the substance or mixture :

Physical hazards:	Not classified		
Health hazards:	Skin irritation	Category 2	H315
	Skin Sensibilization	Category 1 Sub-Category 1A & 1B	H317
	Serious eye damage/ Eye irritation	Category 2A	H319
	Specific Target Organ Toxicity, Single Exposure	Category 3	H335

GHS-US labeling Hazard pictograms (GHS-US):

Signal word (GHS-US):

Hazard statements (GHS-US):



Warning

H315: Causes skin irritation
 H317: May cause an allergic skin reaction
 H319: Causes serious eye irritation
 H335: May cause respiratory irritation

Precautionary statements (GHS-US):

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of water

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P332 + P313: If skin irritation occurs: Get medical advice/attention

P337 + P313: If eye irritation persists get medical advice/attention

P401: Store according the product requirements

SECTION 3. Composition/information on ingredients:

Mixture:

Chemical name	CAS number	%
Aluminosilicate (Calicinated Kaolin)	1332-58-7	78 - 80
Cilia Quartz	14808-60-7	10 - 22

SECTION 4. First aid measures:

Inhalation	When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists. Inhalation of gross amounts requires immediate medical attention.
Skin contact	Remove contaminated clothing. Brush off, then immediately flush skin with plenty of water for at least 60 minutes. Wash contaminated clothing before reuse. Get immediate medical advice/attention.
Eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
Ingestion	Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor/physician.
Symptoms/injuries after inhalation	Causes skin irritation Causes serious eye irritation Irritating to respiratory system May cause nausea, headache, vomiting Lightheadedness Dizziness Fainting Hypotension Irregular heartbeat Sore throat

Symptoms/injuries after skin contact	<p>Dyspnea (Shortness of breath and difficulty breathing) Coughing and wheezing Chest tightness or pain</p> <p>May cause dry skin, discomfort, irritation, severe burns, and dermatitis. Exposure of sufficient duration to wet cement, or to dry cement on moist areas of the body, can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns. A skin exposure may be hazardous even if there is no pain or discomfort. Cement is capable of causing dermatitis by irritation and allergy.</p>
Symptoms/injuries after eye contact	<p>Airborne dust may cause immediate or delayed irritation or inflammation. Eye contact with large amounts of clinker dust, dry cement powder or with wet cement can cause moderate eye irritation, chemical burns and blindness. Eye exposures require immediate first aid and medical attention to prevent significant damage to the eye.</p>
Symptoms/injuries after Ingestion	<p>May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract</p>

SECTION 5. Fire-fighting measures:

Suitable extinguishing media	None Flammable. Dry chemical. Water spray, mist, or foam.
Unsuitable extinguishing media	Non-Flammable and non-explosive contents. May release fumes and gasses such as: Carbon Oxides, carbon monoxide, sulfur oxide, and metallic oxides.
Fire hazard	Not flammable.
Explosion hazard	None known.
Protection during firefighting	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. Accidental release measures:

Personal precautions, protective equipment and emergency procedures	<p>Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing.</p> <p>Use personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Remove all sources of ignition. Avoid dust formation. Avoid breathing dust.</p>
Environmental precautions	<p>Prevent further leakage or spillage if safe to do so.</p> <p>Prevent product from entering drains.</p> <p>Prevent entry into waterways, sewers, basements or confined areas.</p>

For containment

Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Clean up methods

Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

SECTION 7. Handling and storage:**Additional hazards when processed**

Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Air sensitive. Store at room temperature in the original container. Store away from incompatible materials.

Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe dust. Do not ingest. Handle in accordance with good industrial hygiene and safety practice.

Storage conditions

Keep in closed, air-tight containers. Do not store in close proximity to acids.

SECTION 8. Exposure controls/personal protection:**Control parameter****Occupational exposure limits**

Components	Type	Value	Form
Aluminosilicates(Kaolin)	PEL	.177 gr/ft ³ , 15 mg/m ³	Total Powder
		.059 gr/ft ³ , 5 mg/m ³	Breathable Fraction OSHA / TWA
	REL	.118 gr/ft ³ , 10 mg/m ³ .059 gr/ft ³ , 5 mg/m ³	Total Powder Breathable Fraction NIOSH / TWA
	TLV	.024 gr/ft ³ , 2 mg/m ³	Breathable Fraction ACGIH / TWA

Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protective Equipment:

Eye protection: Goggles or Safety glasses with side-shields.

Skin and body protection: Gloves, Long sleeved clothing, Chemical resistant apron.

Respiratory protection: Effective dust mask or Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.



SECTION 9. Physical and chemical properties:

Appearance	Solid, fine powder, light brown		
Odor	Odorless	Burning rate	Not available
Odor threshold	Not available	Vapor density	Not applicable
PH	Not available	Solubility	Not available
Melting point	Not available	Solubility in water	Not available
Vapor pressure	Not applicable	Auto-ignition Temperature	Not applicable
Flash point	Not flammable/ Not combustible	Decomposition temperature	Not applicable
Relative density	Not available	Evaporation rate	Not applicable
Partition coefficient: n-octanol/water	Not applicable	Boiling point	Not applicable
Burning time	Not available	Flammability (solid/gas)	Not applicable

SECTION 10. Stability and reactivity:

- Reactivity:** Product is stable and none reactive under normal conditions of use, storage or transport.
- Chemical stability:** Material is stable under normal conditions.
- Possibility of hazardous reactions:**
Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid:** Exposure to airflow. Exposure to extreme heat. Avoid dust formation. Incompatible materials.
- Incompatible materials:** Oxidizing agents
- Hazardous decomposition products:**
Sulfur Oxide

SECTION 11. Toxicological information:

Information on toxicological effects

Acute toxicity:

- Skin Contact:** May cause skin irritation and allergy like symptoms.
- Inhalation:** May irritate respiratory system.
- Eye Contact:** Severe eye irritation.
- Skin Contact:** Symptoms may vary, skin irritation, pain, watery eyes, redness, swelling and bleared vision.
- Ingestion:** Harmful if swallowed. May cause digestive (gastrointestinal) tract irritation.
Ingestion may cause nausea, vomiting. May affect the cardiovascular system (hypotension). May cause fainting.

- Aspiration hazard** No information available.
- Delayed and immediate effects as well as chronic effects from short and long-term exposure**
- Chronic toxicity** No information available.
- Sensitization:** No information available.
- Mutagenicity:** No information available
- Carcinogenic effects:** Not considered carcinogenic.
ARC (International Agency for Research on Cancer)
NTP (National Toxicology Program)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
- Reproductive toxicity** No information available
- Developmental effects:** No information available
- Teratogenicity:** No information available

- Specific target organ:**
- STOT - single exposure** Respiratory system.
- STOT - repeated exposure** No information available.
- Target Organs:** No information available.

SECTION 12. Ecological information:

Persistence and degradability:	No information available.
Bioaccumulative potential:	No information available.
Mobility in soil:	No information available.
Other adverse effects:	No information available.

SECTION 13. Disposal considerations:

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Waste must be disposed of in accordance with Federal, State and Local regulations



SECTION 14. Transport information:

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	None	None	None
Additional information	-	-	-

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

Not available.

In accordance with DOT: Not a dangerous good as defined in transport regulations

SECTION 15. Regulatory information:

US Federal Regulations: Not regulated

US State Regulations: Not regulated

International regulations: Not regulated

SECTION 16. Other information:

History

Date of issue: 10/04/2019

Version:

Revised Section(s):

Notice to reader

While the information provided in this safety data sheet is believed to provide a useful summary of the hazards of versabind as it is commonly used, the sheet cannot anticipate and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product. In particular, the data furnished in this sheet do not address hazards that may be posed by other materials mixed with versabind to produce cement products. Users should review other relevant material safety data sheets before working with this versabind or working on cement products.

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY GCC of America, Inc., except that the product shall conform to contracted specifications. The information provided herein was believed by the GCC of America, Inc. to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for non-delivery of product, and whether based on contract, breach of warranty, negligence, or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.