

MATERIAL SAFETY DATA SHEET

DATE REVISED: April 23, 2020

VERSION: 02

SECTION I – IDENTIFICATION OF THE SUBSTANCE AND MANUFACTURER**1.1 Name of the chemical:** BLENDER RECOVER®**1.2 Others of identification:**Recommended uses: Repair Mortar.**1.3 Manufacturer's data:** Blender Group, S.A. DE C.V., Monjaraz 132 int. 1-A, Col. Santa María del Granjeno, CP.37550, León Guanajuato.**1.4 Phone number in case of emergency:**Telephone: +52(477) 771.01.01; 01800-727.03.23 Monday to Friday from 8:00 a.m. to 6:00 p.m.
SETIQ/ANIQ: 01800-002.14.00 Attention 24 hours a day, 365 days a year.**SECTION II - HAZARDS IDENTIFICATION****2.1 Classification of the chemical:**Classification according to the globally harmonized system:

Harmful if swallowed - Category 4

Causes eye irritation - Category 2A

Aquatic Environment Hazard - Category 3

2.2 Elements of signage:

Symbol:



Signal word: ATTENTION.

Hazard statements:

H302 - Harmful if swallowed.

H319 - Causes serious eye irritation.

H402 - Harmful to aquatic organisms.

Precautionary advice:

P270 - Do not eat, drink or smoke while handling this product.

P271 - Use in a well ventilated place.

P273 - Do not disperse in the environment.

P342 + P311 - In case of respiratory symptoms: Call a poison control center or doctor.

P305 + P351 + P338 - In case of contact with the eyes: Rinse carefully with water for several minutes. Remove contact lenses when present to make washing easier.

P501 - Dispose of Container / Content: Recycle or incinerate waste in EPA-approved facilities or dispose of in accordance with federal, state and local regulations.

SECTION III - PRODUCT COMPOSITION

Chemical name	No. CAS	Weight %
Portland cement	65997-15-1	> 60%
Quartz silica	14808-60-7	30 - 60%
Iron oxide	1317-61-9	5 - 15%

All concentrations are in percent by weight.

The ingredients not listed are not "dangerous" and are considered a trade secret of Blender Group SA. Of CV.

SECTION IV - FIRST AID MEASURES

4.1 First aid:

Get immediate medical attention for any significant overexposure.

Inhalation: Go to a cleared area to breathe fresh air. Also avoid overexposure. If symptoms persist, get medical attention.

Skin: Clean the contact area thoroughly with soap and water. If irritation, rash, or other disorders persist, get medical attention immediately.

Ingestion: Do not induce vomiting unless advised by a doctor. Call the nearest Poison Control Center or doctor immediately.

Eye contact: Rinse with water for 15 minutes. If irritation persists, get medical attention.

4.2 Most important symptoms and effects:

Emergency review:

Free powder. It can irritate the nose and throat. Irritating dust for the respiratory tract. Avoid overexposure, leave the area to breathe fresh air.

Health Effects / Acute Potential Routes of Entry:

Inhalation: Dust can irritate the nose and throat. Irritating dust for the respiratory tract.

Eyes: Direct contact can cause severe irritation. It can cause mechanical irritation or abrasion, and possible chemical burns. It can cause temporary injury.

Ingestion: May cause irritation to the mouth, throat and stomach. It can cause gastrointestinal irritation, nausea and vomiting.

Skin: May cause severe irritation. It can cause dryness, cracking, irritation and chemical burns. May cause cement dermatitis due to primary alkaline irritation, hygroscopic and abrasive properties.

Aggravated Medical Conditions:

Pre-existing eye, skin, and respiratory tract discomforts may be aggravated by exposure.

Chronic health effects:

Inhalation of crystalline silica can cause cancer based on animal data, and the IARC concludes sufficient human testing (Group 1). Prolonged and repeated overexposure to free crystalline silica above the TLV level can cause scarring of the lungs, with coughing and shortness of breath. A delayed lung injury, silicosis can result from inhaling free silica.

SECTION V - FIRE FIGHTING MEASURES

5.1 Recommended extinguishing agents: This product is not expected to burn under normal conditions of use. Use what is appropriate for the environment.

Flash point:	Not available.
Lower explosion limit:	Not available.
Upper explosion limit:	Not available.
Auto-ignition temperature:	Not available.

5.2 Explosion and Fire Hazards: No special precautions are required. No special fire protection measures are required. The product is not expected to burn under normal use conditions.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Wear the right protective gear. Avoid contact with the material. Dampen the material with water to control dust. Scoop up and transfer to a suitable container for disposal. Wash the area with water.

SECTION VII – HANDLING AND STORAGE

7.1 Precautions to be taken to ensure safe handling: Avoid inhalation of dust and contact with skin and eyes. Wash hands thoroughly after handling. Precautions also applies to empty containers.

Use working methods that minimize dust production. Provide proper exhaust ventilation in places where dust forms. Put on appropriate personal protective equipment.

7.2 Safe storage conditions: Store in a cool, dry place. Keep perfectly closed.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Exposure limits

Chemical name	CAS No.	Regulation	Limit
Portland cement	65997-15-1	OSHA PEL	15 mg / m ³
		ACGIH TLV-TWA	10 mg / m ³
Iron Oxide	1309-37-1	OSHA PEL	10 mg / m ³
		ACGIH TLV-TWA	5-15 mg / m ³
Quartz Silica	14808-60-7	OSHA PEL	10 mg / m ³
		ACGIH TLV-TWA	0.5 mg / m ³
		MSHA	10 mg / m ³

8.2 Protection measure:

Respiratory Protection: Use appropriate size NIOSH / MSHA dust when airborne concentrations exceed the exposure limits outlined in the MSDS. Follow the manufacturer's instructions for respirator use.

Skin Protection: Use waterproof rubber or vinyl, suitable gloves and protective clothing to reduce exposure. Avoid contact with shoes and clothing.

Eye protection: Wear appropriate eye protection. Use chemical safety goggles and / or a mask to avoid visual contact. Do not wear contact lenses. Do not touch the eyes with contaminated body parts or materials. Have eye wash facilities readily available.

Protective measures: Use your professional judgment in the selection, care and use. Wear gloves, equipment to cover the head and the whole body if necessary, to avoid skin irritation. Washable or disposable clothing can be used. Do not carry dirty clothes at home. Work clothes should be washed separately from other clothes and the washing machine rinsed thoroughly after use. Inform the scrubber of proper procedures. Store work clothes and street clothes separately to avoid contamination.

Engineering Provisions: Use only in well ventilated area. Provide maximum ventilation indoors. Use local exhaust when general ventilation is inadequate.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Shape:	Powder
Color:	Variety of colors
Odor:	None
pH:	Not available
Vapor pressure:	Does not apply
Vapor Density:	Does not apply
Melting point:	Not available
Freezing point:	Not available
Boiling point:	Not applicable
Solubility in water:	Miscible
Specific gravity:	1.73
% Volatile Weight:	0

SECTION X – REACTIVITY / STABILITY

10.1 Stability: The product is stable under normal conditions of storage, handling and use.

10.2 Risk of hazardous polymerization: Will not occur under normal conditions.

10.3 Incompatibility: Not applicable.

10.4 Thermal decomposition products: Does not decompose if stored under normal conditions.

SECTION XI– TOXICOLOGICAL INFORMATION

No information available.

SECTION XII – ECOLOGICAL INFORMATION

No information available.

SECTION XIII – DISPOSAL CONSIDERATIONS

Disposal method: Not regulated by RCRA. Dispose of in accordance with state and local regulations. Do not incinerate.

SECTION XIV – TRANSPORTATION / SHIPPING DATA

CFR / DOT:	Not applicable, not regulated as a dangerous substance
TDG:	Does not apply, is not regulated as a dangerous substance
IMDG:	Does not apply, is not regulated as a dangerous substance

SECTION XV – REGULATORY INFORMATION

US Federal Regulations:

SARA 313 Components:	None present or none in regulated quantities.
SARA 311/312 Hazards:	Acute Health Hazard Chronic Health Hazard

OSHA Hazardous Components:

Crystalline Silica (Quartz) / Silica Sand	14808-60-7
Portland cement	65997-15-1

OSHA Status: Considered hazardous based on the following criteria:
Irritant, Carcinogen

Flammability OSHA: Not Regulated

VOC (less water and exempt solvents): 0 g / L
 VOC Method 310: 0%

Chemistry is listed as an IARC, NTP, OSHA, or ACGIH as a carcinogen:
 Crystalline Silica (Quartz) / Silica Sand 14808-60-7

SECTION XVI – OTHER INFORMATION

Hazardous Material Information System: HMIS (Hazardous Material Information System)

Health risk	1
Inflammability	1
Reactivity	0
PPE	

0 = Minimum
 1 = Lightweight
 2 = Moderate
 3 = Serious
 4 = Severe

More information:

Only for industrial use. Keep out of the reach of children. The information on the hazards in this document is offered only for examination by the user, without prejudice to its own investigation into compliance with applicable regulations, including the safe use of the product under all foreseeable conditions.

Legend:

ACGIH - American Conference of Hygienists
 CERCLA - Integral Environmental Response, Compensation and Civil Liability
 DOT - Department of Transportation
 DSL - National List of Substances
 EPA - Environmental Protection Agency
 HMIS - Hazardous Materials Information System
 IARC - International Agency for Research on Cancer
 MSHA - Mines Health and Safety Administration
 NDSL - List of Non-Domestic Substances
 NIOSH - National Institute for Occupational Safety and Health
 NTP - National Toxicology Program
 PEL - Permissible exposure limit
 RCRA - Law of Conservation and Recovery of Resources
 RTK - Right to Know
 SARA - Amendments and Reauthorizations
 STEL - Short Term Exposure Limit
 TLV - Threshold Limit Value
 TSCA - Law of Control of Toxic Substances
 TWA - Average Weighted Time
 V - Volume
 VOC - Volatile Organic Compounds

WHMIS - Workplace Hazardous Materials Information System
OSHA - Occupational Health and Safety Administration