



ENZYME BREAKER®

UNIVERSAL BREAKER FOR BIOPOLYMER FLUIDS



SAFETY DATA SHEET

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
Version: 1.0

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Form: Mixture
Product Name: Enzyme Breaker
Product Code: 1272 2008

1.2 INTENDED USE OF THE PRODUCT

Non-toxic liquid breaker for biopolymer fluids.

1.3 NAME, ADDRESS, AND TELEPHONE OF THE RESPONSIBLE PARTY

Company

MATRIX Construction Products
1760 Harbour View Dr.
Marquette, MI 49855
877-591-3137
info@matrixcp.com

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Number: CHEMTEL LLC
(800)255-3924 (NORTH AMERICA)

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US/CA Classification: Not classified
Product Name: Enzyme Breaker
Product Code: 1272 2008

2.2 LABEL ELEMENTS

GHS-US/CA Labeling: No labeling applicable according to 29 CFR 1910.1200 and the Hazardous Products Regulations (HPR) SOR/2015-17.

2.3 OTHER HAZARDS

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4 UNKNOWN ACUTE TOXICITY (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCE

Not applicable

3.2 MIXTURE

Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200] and Canada's Hazardous Products Regulations [SOR/2015-17]: the ingredients of this mixture are not required to be disclosed.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST-AID MEASURES

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.



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4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS BOTH ACUTE AND DELAYED

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.

Eye Contact: May cause slight irritation to eyes.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3 ADVICE FOR FIREFIGHTERS

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Smoke. Irritating fumes.

5.4 REFERENCE TO OTHER SECTIONS

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

GENERAL MEASURES: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

6.1 FOR NON-EMERGENCY PERSONNEL

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.2 FOR EMERGENCY PERSONNEL

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent entry to sewers and public waters.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 REFERENCE TO OTHER SECTIONS

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash contaminated clothing before reuse.



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7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong oxidizing agents.

7.3. SPECIFIC END USE(S)

Non-toxic liquid breaker for biopolymer fluids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

8.2 EXPOSURE CONTROLS

Appropriate Engineering Controls: Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls: Avoid release to the environment.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Odor: Mild - Musty

pH: 7-7.5

Melting Point: -10 °C (14 °F)

Boiling Point: Not available

Auto-ignition Temperature: Not available

Flammability (solid, gas): Not available

Upper Flammable Limit: Not available

Relative Vapor Density at 20°C: Not available

Density: 9.1 – 9.26 lb/gal

Solubility: Water: Complete

Viscosity: Not available

Appearance: Amber

Odor Threshold: Not available

Evaporation Rate: Not available

Freezing Point: Not available

Flash Point: Not available

Decomposition Temperature: Not available

Lower Flammable Limit: Not available

Vapor Pressure: Not available

Relative Density: 1.09 – 1.11 (water=1)

Specific Gravity: Not available

Partition Coefficient: N-Octanol/Water: Not available



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SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2 Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5 Incompatible Materials:** Strong oxidizing agents.
- 10.6 Hazardous Decomposition Products:** None expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS - PRODUCT

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified

pH: 7 – 7.5

Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None known

11.2 INFORMATION ON TOXICOLOGICAL EFFECTS - INGREDIENT(S)

LD50 and LC50 Data: Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Ecology - General: This product has not been fully investigated for its effects in the environment. Avoid release to the environment.

12.2 PERSISTENCE AND DEGRADABILITY

Persistence and Degradability: Not established

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulative Potential: Not established

12.4 MOBILITY IN SOIL

Ecology - Soil: Not established

12.5 OTHER ADVERSE EFFECTS

Other Information: Avoid release to the environment.



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Additional Information: Do not re-use empty containers.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: DISPOSAL CONSIDERATIONS

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1 In Accordance with DOT: Not regulated for transport

14.2 In Accordance with IMDG: Not regulated for transport

14.3 In Accordance with IATA: Not regulated for transport

14.4 In Accordance with TDG: Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US FEDERAL REGULATIONS

Neither this product nor its chemical components appear on any US federal lists, or its chemical components are not required to be disclosed.

15.2 US STATE REGULATIONS

Neither this product nor its chemical components appear on any US state lists, or its chemical components are not required to be disclosed.

15.3 CANADIAN REGULATIONS

This product or its components are not listed on the Canadian Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL), or are not required to be disclosed.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

DATE OF PREPARATION OR LATEST REVISION: 12/08/2020

OTHER INFORMATION: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS FULL TEXT PHRASES:

NFPA HEALTH HAZARD: 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA FIRE HAZARD: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

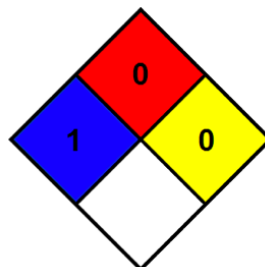
NFPA REACTIVITY HAZARD: 0 - Material that in themselves are normally stable, even under fire conditions.

HMIS III RATING

HEALTH: 1 Slight Hazard - Irritation or minor reversible injury possible

FLAMMABILITY: 0 Minimal Hazard

PHYSICAL: 0 Minimal Hazard



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. **SDS UPDATED DEC 08, 2020**

