

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Trade Name: Chembreak ECA

Product Family: Enzyme and Acid Blend

Synonyms: None

Other Information: Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Recommended Use: Oil Field additive.

Restrictions on Use: For Oil Field use only.

Manufacturer/Supplier: Bri-Chem Supply Ltd.
27075 Acheson Road
Acheson, AB T7X 6B1

Phone Number: 780-962-9490

Emergency Telephone: CHEMTREC 1-800-424-9300, 24/7

Section 2: HAZARD(S) IDENTIFICATION

Classification

Serious eye damage/eye irritation

Category 2A

Combustible dust

Category 1

Label Elements

Warning



Hazard Statements

H319: Causes serious eye irritation.
May form combustible dust concentrations in air.

Precautionary Statements – Prevention: Wash hands thoroughly after handling.
Wear eye and face protection.

Eyes: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice and attention.

Other Information: Not applicable

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance: Not applicable

Mixture: Not applicable, this product is a substance.

Chemical Name	CAS No.	Weight-%
Citric Acid	77-62-9	30-60%

Concentrations are expressed in % weight/weight.

Section 4: FIRST-AID MEASURES

Description of First-Aid Measures

Inhalation:	Remove to fresh air.
Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
Ingestion:	Rinse mouth.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms:	No information available.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician:	Treat symptomatically.
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Section 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Large Fire:	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable Extinguishing Media:	Do not scatter spilled material with high pressure water streams.
Specific Hazards Arising from The Chemical:	Avoid generation of dust. Dusts or fumes may form explosive mixtures in air.
Explosion Data	
Sensitivity to Mechanical Impact:	None
Sensitivity to Static Discharge:	None
Special Protective Equipment and Precautions for Fire-Fighters:	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions:	Ensure adequate ventilation.
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Methods and Material for Containment and Cleaning Up

Methods for Containment:	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up:	Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe dust.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Measures

Exposure Limits: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls

Engineering Controls: Showers
Eyewash stations
Ventilation systems

Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Wear safety glasses with side shields (or goggles).

Hand Protection: Protective gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: Solid
Appearance: Powder
Color: White
Odour: Odorless
Odour Threshold

Property	Value	Remarks - Method
pH	2.6	10% Solution

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Melting Point/Freezing Point:	No data available
Boiling Point/Boiling Range:	No data available
Flash Point:	> 93.3°C
Evaporation Rate:	No data available
Flammability (Solid, Gas):	No data available
Flammability Limit in Air	
Upper Flammability or Explosive Limits:	No data available
Lower Flammability or Explosive Limits:	No data available
Vapor Pressure:	No data available
Relative Vapor Density:	No data available
Relative Density:	1.540
Water Solubility:	Soluble in water.
Solubility in Other Solvents:	No data available
Partition Coefficient:	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
Kinematic Viscosity:	No data available
Dynamic Viscosity:	No data available
Other Information	
Explosive Properties:	No information available
Oxidizing Properties:	No information available
VOC Content (%):	No information available

Section 10: STABILITY AND REACTIVITY

Reactivity:	No information available.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	None under normal processing.
Conditions to Avoid:	Dust formation. Heat, flames and sparks. UV – Radiation/sunlight.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation:	Specific test data for the substance or mixture is not available.
Eye Contact:	Contact with eyes may cause irritation.
Skin Contact:	Specific test data for the substance or mixture is not available.
Ingestion:	Specific test data for the substance or mixture is not available.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Symptoms:	None known
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Acute Toxicity

Numerical Measures of Toxicity:	No information available.
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Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Citric Acid 77-92-9	= 3 g/kg (Rat)	> 2000 mg/kg (Rat)	

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Skin Corrosion/Irritation:	Based on available data, the classification criteria are not met.
Serious Eye Damage/ Eye Irritation:	Irritating to eyes. See Section 2 for classified hazards based on component information.
Respiratory or Skin Sensitization:	Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive Toxicity:	Based on available data, the classification criteria are not met.
STOT – Single Exposure:	Based on available data, the classification criteria are not met.
STOT – Repeated Exposure:	Based on available data, the classification criteria are not met.
Aspiration Hazard:	Based on available data, the classification criteria are not met.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	The environment impact of this product had not been fully investigated.
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Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from Residues/Unused Products:

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated Packaging:

Do not reuse empty containers.

Section 14: TRANSPORT INFORMATION

TDG: Not regulated

IATA: Not regulated

Section 15: REGULATORY INFORMATION

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

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer: Not applicable.

The Stockholm Convention on Persistent Organic Pollutants: Not applicable.

The Rotterdam Convention: Not applicable.

International Inventories

TSCA: Complies

DSL/NDSL: Complies

AICS: Complies

Legend:

TSCA: United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL: Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS: Japan Existing and New Chemical Substances

IECSC: China Inventory of Existing Chemical Substances

KECL: Korean Existing and Evaluated Chemical Substances

PICCS: Philippines Inventory of Chemicals and Chemical Substances

AICS: Australian Inventory of Chemical Substances

Section 16: OTHER INFORMATION

Health Hazards:	0
Flammability:	0
Instability:	0
Special Hazards:	-
Health Hazards:	0
Flammability:	0
Physical Hazards:	0
Personal Protection:	X

Key or Legend to Abbreviations and Acronyms Used in the Safety Data Sheet

Legend Section 8:	Exposure Controls/Personal Protection
TWA:	Time Weighted Average
STEL:	Short Term Exposure Limit
Ceiling:	Maximum Limit Value
*	Skin Designation

Disclaimer:

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Prepared by: Bri-Chem Supply Ltd.

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