



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY INFORMATION

- ◆ **Product name:** Mag4C-LV Conservation Buffer
- ◆ **Catalog number:** LBF1000
- ◆ **Contact:**

OZ Biosciences
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SECTION 2 – HAZARDS IDENTIFICATION

- ◆ **GHS Classification**

No

- ◆ **GHS Label element**

Signal Word: None
 Hazard Statements: None
 Pictograms: None

- ◆ This product contains hazardous ingredients (Yes; No; Not Applicable or no information): **May cause skin irritation and/or dermatitis.**
- ◆ This product contains hazardous carcinogens (Yes; No; N/A): **No**
- ◆ This product contains hazardous ingredients to the environment. (Yes; No; N/A): **No**

SECTION 3 – COMPOSITION, INFORMATION ON INGREDIENTS

Conservation Buffer is composed of proprietary mixture of ingredients.
 Among other we can find:

Component	CAS	Weight
Glycerol	56-81-5	<20%

Ingredients are not hazardous or their concentrations do not exceed the limit specified according to 29 CFR 1910.1200 Hazard Communication Standard (USA) and Directive 1999/45/EC-2001/59/EC (EU).

SECTION 4 – FIRST AID MEASURES

- ◆ **Effects and symptoms:**

- *Inhalation* Not likely to occur.
- *Ingestion* Hazrdous if swallowed.
- *Skin contact* May cause skin irritation.
- *Eye contact* May cause eye irritation.
- *Aggravating conditions* No aggravating condition known.

- ◆ **First-Aid measures:**

- *Inhalation* If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
- *Ingestion* Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
- *Skin contact* In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothes before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

- *Eye contact* In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
- *Notes to physician* Not available.
- *Protection of first-aiders* Not available.

SECTION 5 – FIRE FIGHTING MEASURES

- ◆ **Flammability of the product:** May be combustible at high temperature.
- ◆ **Flash Point:** N/A.
- ◆ **Fire hazards in presence of various substances:** N/A.
- ◆ **Fire fighting media and instructions:** SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
- ◆ **Protective clothing (fire):** Be sure to use an approved/certified respirator or equivalent.
- ◆ **Hazardous thermal decomposition products:** Carbon oxides, nitrogen oxides.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- ◆ **Personal precautions:** Wear safety glasses, lab coat and gloves.
- ◆ **Environmental precautions and clean-up methods:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.
- ◆ **Small spill and leak:** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

SECTION 7 – HANDLING AND STORAGE

- ◆ **Handling:** Keep away from heat and sources of ignition. Avoid breathing vapors or spray mists. Avoid prolonged exposure.
- ◆ **Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Store at +4°C. Use original container.
- ◆ **Intended use:** Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific application.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

- ◆ **Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Ensure that eyewash stations and safety showers are proximal to the workstation location.
- ◆ **Personal protection**
 - **Eyes:** Safety glasses.
 - **Body:** Lab coat and gloves.
 - **Respiratory:** Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits.
- ◆ **General Hygiene measures:** wash hands thoroughly after handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- ◆ **Appearance and physical state:** colorless aqueous solution.

SECTION 10 – STABILITY AND REACTIVITY

- ◆ **Stability and reactivity:** The product is stable at a pH between 4 and 11
- ◆ **Conditions to avoid:** pH < 4 and pH > 11, using temperatures < + 2°C and > + 96°C
- ◆ **Materials to avoid:** Strong acids, strong bases, strong oxidizing agents.
- ◆ **Hazardous polymerization:** Will not occur.
- ◆ **Hazardous decomposition products:** Not available.

SECTION 11 – TOXICOLOGICAL INFORMATION

- ◆ **Toxicity on animals:**

Component	LD 50 Oral	LD50 Dermal	LC50 inhalation
Glycerin	12600 mg/kg (rat)	LD50>10g/kg (Rabbit)	LC50>57 mg/m3 (Rat 1h)

- ◆ **Chronic effects on humans:** Carcinogenic effects: classified none by NIOSH, By OSHA.

◆ **Other toxic effects on humans:** Slightly hazardous in case of ingestion, skin contact, eye contact.

SECTION 12 – ECOLOGICAL INFORMATION

• **Ecotoxicity**

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Glycerin	Not tested	LC50 51-57 mL/L 96h	Not Listed	EC50>500 mg/L

Persistence and Degradability Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available

SECTION 13 – DISPOSAL CONSIDERATIONS

- ◆ **Waste disposal method:** Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance with governmental environmental regulations. Observe all federal, state, and local environmental regulations.
- ◆ **European waste catalogue (EWC):** Not available.
- ◆ **Hazardous waste:** Will not occur.

SECTION 14 – TRANSPORT INFORMATION

- ◆ This substance is considered to be non-hazardous for transport and air-transport.

SECTION 15 – REGULATORY INFORMATION

All of the components in the product are on the following Inventory lists: X = listed

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Glycerin	X	X	-	200-289-5	-		X	X	X	X	X

TSCA 12(b) Not applicable
SARA 313 Not applicable

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

CWA (Clean Water Act) Not applicable
Clean Air Act Not applicable

OSHA Occupational Safety and Health Administration

Not applicable

CERCLA

Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know

Regulations

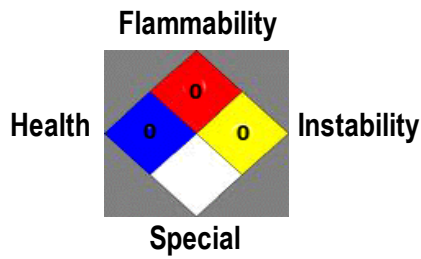
Component	Massachussets	New Jersey	Pennsylvania	Illinois	Rhode Island
Glycerin	X	X	X	-	X

SECTION 16 – OTHER INFORMATION

◆ **Hazardous Material Information System (U.S.A.):**

Health	0
Fire hazard	0
Reactivity	0
Personal protection	

◆ **National Fire Protection Association (U.S.A.):**



0 = not significant
1 = slight
2 = moderate

3 = high
4 = extreme
* = chronic

◆ **Revisions:**

Issue Date: 22-May-2014
Last Revision Date: 26-Aug-2016
Revision note: New format. updated Section 2,8,15,16.

◆ **Other Comments:**

To the best of our knowledge, the information contain herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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