



SAFETY DATA SHEET

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

Product Name: Dulbecco's Modified Eagle Medium (DMEM) High Glucose

Product Code: ECM156

Company Identification: ecoZist Corp.

201-9225 Leslie St., Richmond Hill, ON, L4B 3H6 Canada

Email: info@ecozistcorp.com

Website: <https://ecozistcorp.com>

Emergency Contact: CHEMTREC (24 hours)

Within USA & Canada: 1-800-424-9300 Outside USA & Canada: +1-703-527-3887

Recommended Use:

For research use or further manufacturing. Not for diagnostic use or direct administration into humans or animals.

SECTION 2: Hazards identification

GHS Classification: Not hazardous

Signal Word: None

Hazard Pictograms: None

Health hazards: None

Physical hazards: None

Environmental hazards: None

Hazard Statements: Not applicable

Precautionary Statements:

- Prevention: Not applicable
- Response: Not applicable
- Storage: Not applicable
- Disposal: Not applicable

Other Hazards: None

HMIS Ratings: Health: 0 | Flammability: 0 | Reactivity: 0

SECTION 3: Composition/information on ingredients

This product is a mixture of the following non-hazardous ingredients:

- Amino acids
- Vitamins
- Inorganic salts
- Glucose

- Sodium bicarbonate
- Phenol red indicator

SECTION 4: First aid measures

Skin contact: Rinse with water. No special measures required.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present.

Ingestion: Rinse mouth. Seek medical advice if symptoms occur.

Inhalation: Move to fresh air. Consult a physician if symptoms occur. Most Important Symptoms: Not applicable

Notes to Physician Treat symptomatically.

Most important symptoms and effects, both acute and delayed: Not Applicable

Immediate Medical Attention Needed: None

SECTION 5: Firefighting measures

Suitable Extinguishing Media: Water spray, CO2, foam, dry chemical

Unsuitable Media: None known

Special Hazards: Not known

Advice for Firefighters: Use standard protective equipment and procedures for chemical fires.

SECTION 6: Accidental release measures

Personal Precautions: Wear personal protective equipment. Ensure adequate ventilation.

Environmental Precautions: No special environmental precautions required.

Cleanup Methods: Absorb with inert material. Dispose according to local regulations.

SECTION 7: Handling and storage

Precautions for safe handling: No special handling advices are necessary. Use personal protective equipment as required.

Conditions for safe storage: Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

SECTION 8: Exposure controls/personal protection

Control parameters: Contains no substances with occupational exposure limit values.

Engineering Measures: Ensure adequate ventilation, especially in confined areas or during prolonged handling.

Exposure Controls – Personal Protective Equipment (PPE)

- **Respiratory Protection:** Not required under normal use conditions. Use appropriate respirator if aerosol or mist formation is anticipated.
- **Hand Protection:** Wear chemical-resistant gloves (e.g., nitrile or latex).
- **Eye Protection:** Use tight-sealing safety goggles.
- **Skin/Body Protection:** Wear laboratory coat or appropriate protective clothing.

Hygiene Measures: Handle in accordance with good laboratory hygiene and safety practices. Do not eat, drink, or smoke when using this product. Wash hands after handling.

Environmental Exposure Controls: No special environmental precautions required.

SECTION 9: Physical and chemical properties

Property	Value
Physical state	Liquid
Appearance	Red, clear solution
Odor	None
pH	7.3 ± 0.3
Flammability (solid, gas)	Not flammable
Solubility	Soluble in water
Relative density	No data available
Vapor pressure/density	No data available
Explosive properties	None
Oxidizing properties	None
Auto-ignition temperature	No data available
Decomposition temperature	No data available

SECTION 10: Stability and reactivity

- **Reactivity:** No hazardous reactivity expected under recommended storage and usage conditions.
- **Chemical stability:** Stable under normal storage conditions (2–8°C).
- **Possibility of hazardous reactions:** Hazardous polymerization will not occur.
- **Conditions to avoid:** Extreme temperatures and direct sunlight.
- **Incompatible materials:** Strong acids, strong bases, oxidizing agents.
- **Hazardous decomposition products:** Carbon monoxide, carbon dioxide, nitrogen oxides under fire conditions.

SECTION 11: Toxicological information

- **Acute toxicity:** No evidence of acute toxicity.
- **Skin corrosion/irritation:** Not classified as a skin irritant.
- **Serious eye damage/irritation:** Not classified as an eye irritant.
- **Respiratory or skin sensitization:** Not expected to be sensitizing.
- **Carcinogenicity:** Not classified.
- **Germ cell mutagenicity:** Not classified.
- **Reproductive toxicity:** Not classified.
- **STOT (single/repeated exposure):** No known effects.
- **Aspiration hazard:** Not applicable.

Likely routes of exposure: Skin, eyes, ingestion

Symptoms: May cause mild irritation upon contact or ingestion.

SECTION 12: Ecological information

- **Toxicity:** Not expected to be hazardous to the environment.
- **Persistence and degradability:** Biodegradable
- **Bioaccumulative potential:** No bioaccumulation expected
- **Mobility in soil:** Soluble in water
- **Results of PBT/vPvB assessment:** Not applicable
- **Other adverse effects:** None known

Avoid uncontrolled release into the environment.

SECTION 13: Disposal considerations

- **Waste treatment methods:** Dispose of unused product, residue, or containers in accordance with local, regional, national, and international regulations.

- **Disposal of packaging:** Rinse and dispose as non-hazardous laboratory waste unless contaminated.

SECTION 14: Transport information

Property	Value
UN Number	Not applicable
UN Proper Shipping Name	Not regulated
Transport Hazard Class(es)	Not applicable
Packing Group	Not applicable
Marine Pollutant	No
Special Precautions	None required
Transport in bulk (IMO)	Not applicable

Product is not regulated for transport by DOT, IATA, IMDG, or ADR.

SECTION 15: Regulatory information

- **WHMIS Classification (Canada):** Not controlled
- **OSHA HazCom (USA):** Not classified as hazardous
- **SARA Title III (USA):** Not subject to SARA Title III regulations
- **California Proposition 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

SECTION 16: Other information

- **Prepared by:** ecoZist Corp., Quality Assurance Department

- **Vision number:** 1
- **Last reviewed:** Oct 29, 2026
- **Next review:** Oct 2027
- **References:**
 - o ECHA – European Chemicals Agency
 - o TOXNET – Toxicology Data Network
 - o OSHA, WHMIS, GHS

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