

Material Safety Datasheet (MSDS)

Updated: 07/01/2019

Version 2.2
www.abmgood.com

Applied Biological Materials Inc.

1-3671 Viking Way,
Richmond, BC, CANADA
V6V 2J5

Section 1 – Product and Company Information

Product Name	ProClone™ Competent Cells
Catalog # From Manufacturer	E003
Original Manufacturer	Applied Biological Materials
Address	1-3671 Viking Way, Richmond, BC, CANADA V6V 2J5
Technical Phone	604-247-2414

Company	Applied Biological Materials Inc.
Address	#1-3671 Viking Way Richmond BC V6V 2J5 CA
Technical Phone	604-247-2414
Fax	604-247-2414
Emergency Phone	866-757-2414

Section 2 – Composition/Information on Ingredient

Substance Name	ProClone™ Competent Cells
Chemical Name	Glycerol and Calcium Chloride
Weight-%	<ul style="list-style-type: none"> Glycerol: 70% Calcium Chloride: 30%
CAS Number	<ul style="list-style-type: none"> Glycerol: 56-81-5 Calcium Chloride: 10035-04-8

Section 3 – Hazards Identification

HMIS Classification	<ul style="list-style-type: none">• Health hazards: 0• Flammability: 0• Physical hazards: 0 • This substance is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).• Per Centers for Disease Control and Prevention (CDC) Guidelines (Biosafety in Microbiological and Biomedical Laboratories, 5th Edition), this material can be handled at Biological Safety Level One (BSL-1) containment. Biological Safety Level One (BSL-1) containment, using standard microbiological practices, is suitable for work involving well-characterized microbiological organisms not known to consistently cause disease in immunocompetent adult humans, and present minimal potential hazard to laboratory personnel and the environment.
NFPA Rating	<ul style="list-style-type: none">• Health hazards: 0• Flammability: 0• Instability: 0

Section 4 – First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash skin with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Rinse mouth.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific Hazards	N/A

Section 6 – Accidental Release Measures

Personal Precautions	Use personal protective equipment.
Methods for Cleaning Up	Pick up and transfer to properly labeled containers.

Section 7 – Handling and Storage

Handling	Handle in accordance with good industrial hygiene and safety practice.
Storage	Keep container tightly closed in a dry and well-ventilated.

Section 8 – Exposure Controls/ PPE

Engineering Controls	Safety shower, eye wash, ventilation systems.
Personal Protective Equipment	Skin/Body/Eye Protection: No special protective equipment required under normal use conditions.
General Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical and Chemical Properties

Odour	No data available.
Melting Point	No data available.
Boiling Temperature (°C)	No data available.
Density	No data available.
Vapour Pressure	No data available.
Solubility in Water	No data available.
Flash Point	No data available.
Explosion Limits	No data available.
Ignition Temperature	No data available.

Section 10 – Stability and Reactivity

Stability	Stable under recommended storage conditions.
Hazardous Decomposition Products	None known based on information supplied.

Section 11 – Toxicological Information

Route of Exposure	Specific test data for the substance or mixture is not available.
--------------------------	---

Signs and Symptoms of Exposure	No information available.
---------------------------------------	---------------------------

Section 12 – Ecological Information

N/A

Section 13 – Disposal Considerations

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

Section 14 – Transportation Information

Not regulated as a dangerous good.

Section 15 – Regulatory Information

- WHMIS Classification: Contact supplier for inventory compliance status.
- DSL: Contact supplier for inventory compliance status.
- NDSL: Contact supplier for inventory compliance status.

Section 16 – Other Information

The information contained in this Material Safety Datasheet is believed to be accurate but it is the responsibility of the user or supplier to determine the applicability of these data to the formulation of necessary safety precautions.

Applied Biological Materials Inc. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material Safety Datasheet.