

# Material Safety Datasheet (MSDS)

Updated: 06/27/2025

Version 2.2

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Applied Biological Materials Inc.

1-3671 Viking Way,

Richmond, BC, CANADA

V6V 2J5

## Section 1 – Product and Company Information

Product Name	Ultra-Gentle Cell Detachment Solution
Catalog # From Manufacturer	TM079
Original Manufacturer	Applied Biological Materials Inc.

Company	Applied Biological Materials Inc.
Address	#1-3671 Viking Way Richmond BC V6V 2J5 CA
Technical Phone	604-247-2416
Fax	604-247-2414
Emergency Phone	866-757-2414

## Section 2 – Composition/Information on Ingredient

Components	Components not listed here are not hazardous or their concentrations do not exceed the limits specified in the OSHA Hazard Communication Standard 29 CFR 1910.1200.
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## Section 3 – Hazards Identification

WHMIS Classification	<ul style="list-style-type: none"><li>• Health Hazard: 0</li><li>• Flammability: 0</li><li>• Reactivity: 0</li></ul>
NFPA Rating	<ul style="list-style-type: none"><li>• Health: 0</li><li>• Flammability: 0</li><li>• Reactivity: 0</li></ul>

## Section 4 – First Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting without medical advice. Consult a physician.

## Section 5 – Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Use media appropriate to the primary cause of fire. Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Special Protective Equipment for Firefighters:</b>	Wear self-contained breathing apparatus and protective suit
<b>Specific Hazards</b>	Not known.

## Section 6 – Accidental Release Measures

<b>Personal Precautions</b>	Use personal protective equipment as required. Ensure adequate ventilation.
<b>Methods for Cleaning Up</b>	Contain and clean up spill immediately, prevent from entering floor drains. Contain liquids using absorbents.
<b>Environmental Precautions</b>	No special environmental precaution required. Prevent further leakage or spillage if safe to do so

## Section 7 – Handling and Storage

<b>Handling</b>	Wear personal protective equipment/face protection. Ensure adequate ventilation.
<b>Storage</b>	Store in tightly closed containers and in well ventilated areas. Keep at -20°C until defrosted, then 2-8°C refrigerator.

## Section 8 – Exposure Controls/ PPE

<b>Engineering Controls</b>	<ul style="list-style-type: none"><li>• Ensure adequate ventilation, especially in confined areas</li></ul>
<b>Personal Protective Equipment</b>	<ul style="list-style-type: none"><li>• <b>Eye Protection:</b> Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.</li><li>• <b>Skin and Body Protection:</b> Wear appropriate protective gloves and clothing to prevent skin exposure.</li><li>• <b>Respiratory Protection:</b> None required.</li></ul>
<b>General Hygiene Measures</b>	<ul style="list-style-type: none"><li>• Handle in accordance with good industrial hygiene and safety practice.</li></ul>

## Section 9 – Physical and Chemical Properties

<b>Appearance</b>	Liquid, reddish to pink (defrosted), yellow to reddish/pink when frozen.
<b>Odour</b>	No odor
<b>Melting Point (°C)</b>	0
<b>Boiling Temperature (°C)</b>	100
<b>pH</b>	6.8-8.0
<b>Density</b>	No data available.
<b>Vapour Pressure</b>	No data available.
<b>Solubility in Water</b>	Soluble
<b>Flash Point</b>	No data available.
<b>Explosion Limits</b>	No data available.
<b>Ignition Temperature</b>	No data available.

## Section 10 – Stability and Reactivity

<b>Stability</b>	<ul style="list-style-type: none"><li>Stability: Stable under normal conditions.</li></ul>
<b>Hazardous Decomposition Products</b>	<ul style="list-style-type: none"><li>None under normal use</li></ul>
<b>Incompatible Materials</b>	<ul style="list-style-type: none"><li>No data available</li></ul>
<b>Hazardous Polymerization</b>	<ul style="list-style-type: none"><li>Does not occur</li></ul>

## Section 11 – Toxicological Information

<b>Route of Exposure</b>	<ul style="list-style-type: none"><li>Skin Contact: May cause skin irritation.</li><li>Skin Absorption: No data available.</li><li>Eye Contact: May cause eye irritation.</li><li>Inhalation: May be harmful if inhaled.</li><li>Ingestion: May be harmful if swallowed.</li></ul>
<b>Signs and Symptoms of Exposure</b>	<ul style="list-style-type: none"><li>No known effects under normal use conditions.</li></ul>

## Section 12 – Ecological Information

<b>Toxicity</b>	<ul style="list-style-type: none"><li>No data available.</li></ul>
<b>Persistence and Degradability</b>	<ul style="list-style-type: none"><li>No data available.</li></ul>
<b>Bioaccumulative Potential</b>	<ul style="list-style-type: none"><li>No data available.</li></ul>
<b>Mobility in Soil</b>	<ul style="list-style-type: none"><li>No data available.</li></ul>

## Section 13 – Disposal Considerations

<b>Product</b>	<ul style="list-style-type: none"><li>Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product.</li></ul>
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## Section 14 – Transportation Information

DOT	<ul style="list-style-type: none"><li>• Not regulated.</li></ul>
IATA	<ul style="list-style-type: none"><li>• Not regulated.</li></ul>

## Section 15 – Regulatory Information

- WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
- DSL: No
- NDSL: No

## 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.