

Material Safety Datasheet (MSDS)

Updated: 09/11/2020

Version 1

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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	DNAfectin™ Plus Transfection Reagent
Catalog # From Manufacturer	G2500
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

Substance Name	Trade Secret
Other 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.

Section 3 – Hazards Identification

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

Section 4 – First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off with water. Immediate medical attention is not required.
Inhalation	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Consult a physician if necessary.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media	Use media appropriate to the primary cause of fire. Dry chemical, CO ₂ , water spray or regular foam.
Specific Hazards	Not known.
Protective Equipment for Firefighters	Standard procedure for chemical fires.

Section 6 – Accidental Release Measures

Personal Precautions	Use personal protective equipment as required (see section 8 for more information). Ensure adequate ventilation.
Methods for Cleaning Up	Soak with inert absorbent material.
Environmental Precautions	No special environmental precautions required.

Section 7 – Handling and Storage

Handling	Use personal protective equipment as required (see section 8 for more information). No special handling advices are necessary.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Section 8 – Exposure Controls/ PPE

Engineering Controls	<ul style="list-style-type: none">• Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	<ul style="list-style-type: none">• Eye Protection: 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.• Skin and Body Protection: Wear appropriate protective gloves and clothing to prevent skin exposure.• Respiratory Protection: In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
General Hygiene Measures	<ul style="list-style-type: none">• Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical and Chemical Properties

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

Section 10 – Stability and Reactivity

Stability	<ul style="list-style-type: none">• Stability: Stable under normal conditions.
Hazardous Decomposition Products	<ul style="list-style-type: none">• No data available.
Incompatible Materials	<ul style="list-style-type: none">• No dangerous reaction known under conditions of normal use.

Section 11 – Toxicological Information

Route of Exposure	<ul style="list-style-type: none">• Skin Contact: data are conclusive but insufficient for classification.• Skin Absorption: data are conclusive but insufficient for classification.• Eye Contact: data are conclusive but insufficient for classification.• Inhalation: data are conclusive but insufficient for classification.• Ingestion: data are conclusive but insufficient for classification.
Signs and Symptoms of Exposure	<ul style="list-style-type: none">• There is no evidence available indicating acute toxicity.

Section 12 – Ecological Information

Toxicity	<ul style="list-style-type: none">• Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Persistence and Degradability	<ul style="list-style-type: none">• No data available.
Bioaccumulative Potential	<ul style="list-style-type: none">• No data available.
Mobility in Soil	<ul style="list-style-type: none">• No data available.

Section 13 – Disposal Considerations

Product	<ul style="list-style-type: none">• The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.
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Section 14 – Transportation Information

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

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

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

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.