

Applied Biological Materials Inc.

Material Safety Datasheet (MSDS)

Updated: 01/30/2019
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	Vector/Plasmid
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

Vector Name	Vector/Plasmid
CAS Number	None
SARA 313	No
Ingredient Name	DNA
CAS Number	68938-01-2 or 9007-49-2
Percent (%)	10
Ingredient Name	Tris-HCl
CAS Number	1185-53-1
Percent (%)	90

Section 3 – Hazards Identification

Emergency Overview

HMIS Classification

Health Hazard: 0
Reactivity: 0
Flammability: 0

NFPA Classification

Health Hazard: 0
Reactivity: 0
Flammability: 0

For additional information on toxicity, please refer to Section 11

Section 4 – First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 – Fire Fighting Measures

Special protective equipment for fire-fighters	Wear self contained breathing apparatus for firefighting if necessary.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Section 6 – Accidental Release Measures

Personal precautions

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Methods for cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete

Section 7 – handling and Storage

Handling	No special measures required.
Storage	Suitable: Store at -20°C

Section 8 – Exposure Controls/ PPE

Engineering Controls

No special measures required.

Personal Protective Equipment

Protection of hands: Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The glove material has to be impermeable and resistant to the product.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

Eye protection: Tightly sealed goggles recommended

General Hygiene Measures

Wash thoroughly after handling.

Section 9 – Physical and Chemical Properties

N/A

Section 10 – Stability and Reactivity

Stability

Stable: Stable.

Hazardous Decomposition Products

No dangerous decomposition products known.

Hazardous Polymerization

Hazardous Polymerization: Will not occur

Section 11 – Toxicological Information

Route of Exposure

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Signs and symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 – Ecological Information

N/A

Section 13 – Disposal Considerations

Product

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

Section 14 – Transportation Information

	Proper Shipping Name: None
DOT	Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.
IATA	Non-Hazardous for Air Transport: Non-hazardous for air

transport.

Section 15 – Regulatory Information

United States Regulatory Information

SARA LISTED: No

Canada Regulatory Information

WHMIS Classification: Class D, Division 2B - Eye, skin and respiratory irritant.

European Regulatory Information

Symbol (European Union): Xi (Irritant, R36/37/38)

Other Regulatory Information

EEC Warning Label Statement: Irritant

Irritating to eyes, skin and respiratory system.

Water Pollution Class (Germany): 1 (slightly polluting substance)

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..