



SynBionic Évolution Inc.

MAPS-1 RTU

Revision Date: January 12, 2023

SAFETY DATA SHEET

Section 1 Chemical Product and Company Information

Product Identification:	MAPS®-1 RTU
Supplier Identification:	SynBionic Evolution, Inc. PO Box 2531 1135 MEARNS RD WARMINSTER, PA 18974-9998 Email : info@synbionicevolution.com
Emergency Telephone Number	Canutec: 613-996-6666

Section 3 Hazard Identification

GHS Classification	Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200
GHS label elements	Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 Based on available data, the classification criteria are not met. Handle in accordance with good industrial hygiene and safety practice.
Precautionary statements	Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P270 Do not eat, drink or smoke when using this product. Response: P314 Get medical advice/ attention if you feel unwell. Storage: P410 + P403 Protect from sunlight. Store in a well-ventilated place. P402 + P404 Store in a dry place. Store in a closed container. Disposal: P501 Dispose of contents/container in accordance with local regulation.
Other Hazards	None known

Section 3 Composition / Information on Ingredients

Chemical name	CAS number	Concentration (%)
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	68242-95-3	<0.10
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	<0.10

Section 4 First Aid Measures

Routes of Entry:

- Skin Contact:** After contact with skin, wash immediately with plenty of soap and water. Seek medical attention if irritation develops.
- Eye Contact:** IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops
- Inhalation:** IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
- Ingestion:** IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.

Section 5 Fire-Fighting Measures

- Suitable Extinguishing media:** Alcohol foam, Carbon dioxide (CO₂), Dry chemical, Water
- Unusual Fire and Explosion Hazards:** Hazardous decomposition products formed under fire conditions
- Further Information:** In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.
Cool containers/tanks with water spray

Section 6 Accidental Release Measures

- Environmental Precautions:** Water:
The product should not be allowed to enter drains, water courses or the soil. Notify all downstream users of possible contamination.
Soil:
Avoid runoff into storm sewers and ditches which lead to water-ways. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
- Personal Precautions:** Wear self-contained breathing apparatus and protective suit.

Section 7 Handling and Storage

- Conditions for Safe Storage:** Keep containers tightly closed when not in use.
- Recommended Storage Temperature:** 10 - 37.8 °C

Section 8

Exposure Controls, Personal Protection, and Exposure Limits

Components with Workplace Control Parameters:

Contains no substances with occupational exposure limit values.

Engineering measures:

Local exhaust ventilation is recommended if vapors, mists, aerosols or dusts are generated. Otherwise, use general exhaust ventilation.

Personal Protection:

Respiratory protection:

In processes where mists or vapors are generated, a NIOSH/MSHA approved respirator is advised in the absence of proper environmental controls or if TWA/TLV is exceeded.

Hand protection Material:

Rubber gloves, Neoprene

Eye protection:

Wear chemical tight goggles; full faceshield in addition if splashing is possible.

Skin and body protection:

Wear suitable protective clothing.

Protective measures:

An eye wash and safety shower should be provided in the immediate work area.

Section 9

Physical and Chemical Properties

Appearance:

Liquid

Colour:

Clear fluid

Odour:

Slightly sweet

Freezing/Melting Point:

Not available

Vapour Pressure:

Not available

Relative Density:

1.0 (25°C)

Solubility in water:

Soluble

Evaporation Rate:

Not available

Viscosity:

0.66 mPa.s (20 °C)

pH:

6.4

Section 10

Stability and Reactivity

Possibility of hazardous reactions

Product will not undergo hazardous polymerization

Conditions to avoid:

None known

Product Incompatibility:

Avoid all strong oxidizing agents, or strong reducing agents

Hazardous decomposition products:

Hydrogen chloride, Amines, Organic materials, Nitrogen oxides (NO_x), Carbon oxides

Section 11 Toxicological Information

Acute Toxicity	Acute dermal toxicity (Acute toxicity estimate): > 5,000 mg/kg Method: Calculation method
Carcinogenicity:	IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Section 12 Ecological Information

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects Ozone-Depletion Potential	Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B) Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Section 13 Disposal Considerations

Disposal methods:	Waste from residues: Dispose of as hazardous waste in compliance with local and national regulations.
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Section 14**Transport Information**

IATA:	Not dangerous goods UN number : Not applicable Proper shipping name : Not applicable Transport hazard class : Not applicable Packing group : Not applicable
IMDG:	Not dangerous goods UN number : Not applicable Proper shipping name : Not applicable Transport hazard class : Not applicable Packing group : Not applicable
ADR:	Not dangerous goods UN number : Not applicable Proper shipping name : Not applicable Transport hazard class : Not applicable Packing group : Not applicable
RID:	Not dangerous goods UN number : Not applicable Proper shipping name : Not applicable Transport hazard class : Not applicable Packing group : Not applicable
DOT:	Not dangerous goods UN number : Not applicable Proper shipping name : Not applicable Transport hazard class : Not applicable Packing group : Not applicable
TDG:	Not dangerous goods UN number : Not applicable Proper shipping name : Not applicable Transport hazard class : Not applicable Packing group : Not applicable Special precautions for user : none
Transport in bulk according to An-nex II of MARPOL 73/78 and the IBC Code :	Not applicable

Section 15 Regulatory Information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

Signal word: CAUTION!

Hazard statements: Causes moderate eye irritation.

EPA No.:6836-289-92677

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: No SARA Hazards

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act : This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCOMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act: This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S.

CleanWater Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know: No components are subject to the Pennsylvania Right to know act

New Jersey Right To Know: No components are subject to the New Jersey Right to know act

California Prop 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 Other Information

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