



# GHS SAFETY DATA SHEET

Manufactured by:  
**SynBionic Évolution Inc**

For : Precision Adjuvant Industries

## Section 1 Chemical Product and Company Information

**Product Identification:** SBEI-10 MAPS-1  
**Supplier Identification:** See "Manufactured by"  
**Composition** Quaternary Ammonium Compound Solution  
**Validation date:** June 24, 2016  
**Product Uses:** Ready-To-Use Antimicrobial / Disinfectant / Sanitizer  
**WHMIS Product Classification (Canada) :** Not Controlled  
**OSHA/HCS product Classification:** Not Hazardous

## Section 2 Composition / Information on Ingredients

Ingredient	% weight	CAS number	LD <sub>50</sub> /LC <sub>50</sub>	Exposure
Not controlled				

## Section 3 Hazard Identification

**Emergency Overview:** May be mildly irritating  
**Potential Health Effects:**  
**Eyes** May cause mild irritation.  
**Skin** May cause mild irritation. Very large exposure may be harmful  
**Inhalation** Mists and vapors may be irritating to the throat and respiratory tract  
**Ingestion** Harmful if swallowed  
**Acute Health Effects:** Irritation to the eyes, skin and mucous membranes  
**Chronic Health Effects:** None

## Section 4 First Aid Measures

**Routes of Entry:**  
**Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
**Eye Contact:** Immediately flush eye with plenty of water for minimum 15 minutes, lifting upper and lower lids. Seek medical attention immediately.  
**Inhalation:** If symptoms are experienced, move person to fresh air. Provide artificial respiration if person is not breathing. Seek medical attention immediately.  
**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.  
**Protection of First-Aiders:** None  
**Notes to Physician:** Possible mucosal damage may contraindicate the use of gastric lavage. Treat symptomatically

## Section 5 Fire-Fighting Measures

<b>Flammability of product:</b>	Not applicable
<b>Flash point (°C):</b>	Not applicable
<b>Auto-ignition Temp. (°C):</b>	Not applicable
<b>Extinguishing media:</b>	Water spray, dry chemical, alcohol foam, or carbon dioxide to cool containers, or any agent appropriate for surrounding fire
<b>Special firefighting procedures:</b>	Firefighters should wear full protective clothing including self-containing breathing apparatus. Cool fire exposed containers with spray
<b>Hazardous Products of Combustion:</b>	Irritating and toxic gases or fumes may be released during a fire
<b>Unusual Fire and Explosion Hazards:</b>	Not applicable
<b>Explosion Data:</b>	Will not occur

## Section 6 Accidental Release Measures

<b>Spill Procedures:</b>	Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Stop leak or spill if possible without implementing personal risk/harm. Barricade, soak up and scrape/shovel product into disposal containers. Prevent entry into waterways, sewers, basements or confined areas.
<b>Personal Precautions:</b>	Ensure proper ventilation before entering. Do not touch or walk through spill or leak affected area.

## Section 7 Handling and Storage

<b>Handling Temperature:</b>	Do not cool or heat, try to keep at room temperature
<b>Handling Procedures:</b>	Avoid contact with bare skin and eyes. Use personal hygiene practices. Wash hands thoroughly after work and before leaving premises using mild soap and water
<b>Pumping Temperature:</b>	Room temperature
<b>Storage Temperature:</b>	Room temperature, keep from freezing/overheating
<b>Storage Procedures:</b>	Keep the container tightly closed and in a cool, dark, well-ventilated place. Protect container from physical damage and store separate from incompatible materials, combustible, organic and other strong oxidizing agents

## Section 8 Exposure Controls, Personal Protection, and Exposure Limits

<b>Engineering Controls:</b>	Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits
<b>Personal Protection:</b>	Wear safety goggles, impervious gloves, suitable protective clothing with long sleeves and long pants and safety boots. Face mask not required unless mist forms during agitation, or pumping
<b>Hygiene Measures:</b>	Wash hands, eyes, mouth and change clothing prior to eating/smoking/leaving area
<b>Exposure Limits:</b>	Not applicable. (Note: some ingredients present at below OSHA and/or WHMIS disclosure values are not listed)

<b>Section 9 Physical and Chemical Properties</b>	
<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Clear tinted liquid
<b>Colour:</b>	Clear blue
<b>Odour:</b>	Slight pine fresh smell (added scent)
<b>Freezing/Melting Point:</b>	~0°C
<b>Boiling/Condensation Point:</b>	~100°C
<b>Vapour Pressure:</b>	Same as water
<b>Volatility:</b>	Not available
<b>Specific Gravity (g/ml):</b>	1.0
<b>Vapour Density:</b>	Not available
<b>Solubility in water:</b>	Soluble
<b>Volatile Fraction (V%):</b>	0
<b>Evaporation Rate:</b>	Not available
<b>Viscosity:</b>	~1cSt @ 20°C
<b>pH:</b>	8.0 (± 0.5)

<b>Section 10 Stability and Reactivity</b>	
<b>Conditions for Chemical Stability:</b>	Material is stable, keep away from incompatible materials
<b>Conditions for Thermal Stability:</b>	Keep product from heating above room temperature
<b>Hazardous Polymerization:</b>	Will not occur
<b>Product Incompatibility:</b>	Strong oxidizing agents, reducing agents – Aluminum, tin, lead, zinc (will form flammable hydrogen gas)
<b>Hazardous decomposition products:</b>	Carbon oxides (CO <sub>x</sub> ), toxic hydrogen chloride vapors, hydrogen, irritating aldehydes and ketones
<b>Corrosivity:</b>	Not available

<b>Section 11 Toxicological Information</b>	
<b>Irritancy:</b>	Not available
<b>Reproductive toxicity:</b>	Not available
<b>Carcinogenicity:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Teratogenicity:</b>	Not available
<b>Effects of Acute Exposure:</b>	May cause irritation to eyes, skin and mucous membranes in respiratory tract. May cause abdominal pain
<b>Effects of Chronic exposure:</b>	Not available

## Section 12 Ecological Information

### ENVIRONMENTAL FATE

<b>Atmosphere:</b>	Not available
<b>Water:</b>	Not available
<b>Soil:</b>	Not available
<b>Bioaccumulation Properties:</b>	Not available
<b>Products of Biodegradation:</b>	Not available

## Section 13 Disposal Considerations

<b>Treatment:</b>	Dispose this product according to provincial (state) and local environmental regulations. Never dispose by means of public sewers and drainage systems
<b>Recycling Options:</b>	Triple rinse (or equivalent) the empty containers and recycle according to local specifications/regulations

## Section 14 Transport Information

<b>In case of emergency:</b>	<b>CANUTEC:</b> 613-996-6666 <b>Poison Control Centre:</b> Consult local telephone directory for emergency numbers(s)
<b>Special Provisions:</b>	
<b>TGD Classification:</b>	Not regulated
<b>DOT classification:</b>	Not regulated
<b>Special Shipping Instructions:</b>	None

## Section 15 Regulatory Information

<b>WHMIS Classification:</b>	Not controlled
<b>CPR Compliance:</b>	This product has been classified in accordance with the hazard criteria of the <i>Controlled Products Regulations</i> and the MSDS contains all the information required by the <i>Controlled Products Regulations</i> .
<b>CEPA Status (DSL):</b>	This product or all of its components are currently listed on the Domestic substances List (DSL), as described under the Canadian Environmental Protection Act (CEPA)
<b>TSCA Inventory Status:</b>	This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances
<b>Conformity to other Regions</b>	Available upon request -

**Section 16****Other Information****Hazardous Material Information System (USA):**

Health	1
Flammability	0
Physical Hazards	0
Personal Protection	

**National Fire Protection Association (USA):****Precautionary Labels:**

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM, LIVER AND KIDNEYS

**List of References:**

Available upon request

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