



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 ₅₀ /LC ₅₀	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

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

Section 6 Accidental Release Measures

Spill Procedures:	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.
Personal Precautions:	Ensure proper ventilation before entering. Do not touch or walk through spill or leak affected area.

Section 7 Handling and Storage

Handling Temperature:	Do not cool or heat, try to keep at room temperature
Handling Procedures:	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
Pumping Temperature:	Room temperature
Storage Temperature:	Room temperature, keep from freezing/overheating
Storage Procedures:	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

Engineering Controls:	Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits
Personal Protection:	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
Hygiene Measures:	Wash hands, eyes, mouth and change clothing prior to eating/smoking/leaving area
Exposure Limits:	Not applicable. (Note: some ingredients present at below OSHA and/or WHMIS disclosure values are not listed)

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

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

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

Section 12 Ecological Information

ENVIRONMENTAL FATE

Atmosphere:	Not available
Water:	Not available
Soil:	Not available
Bioaccumulation Properties:	Not available
Products of Biodegradation:	Not available

Section 13 Disposal Considerations

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

Section 14 Transport Information

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

Section 15 Regulatory Information

WHMIS Classification:	Not controlled
CPR Compliance:	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> .
CEPA Status (DSL):	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)
TSCA Inventory Status:	This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances
Conformity to other Regions	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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