

*SAFETY DATA SHEET***Succinylcholine chloride injection, USP (20mg/mL)****1. Product and Company Information**

Product Identifier: Succinylcholine chloride injection, USP (20mg/mL)

Synonyms: None

National Drug Code: 70069- 301-01 (10 mL)
70069- 301-25 (10 mL)

Recommended Use: Pharmaceutical injection

Company: Somerset Therapeutics LLC
Hollywood, FL 33024

Contact Telephone: 1800-417-9175

E-Mail:

Emergency Phone Number: 1800-417-9175

2. Hazardous(s) Identification

Physical Hazards: Not classified.

Health Hazards: Acute toxicity –oral category 4
Eye damage/irritation category 2B

Symbol(s):



Signal Word: Warning

Hazard Statement(s): Harmful if swallowed Causes eye irritation.

Precautionary Statement(s):

Prevention

Do not breathe vapor or spray
Wash hands thoroughly after handling

Response

Get medical attention if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical attention.
IF SWALLOWED: Call a poison center/doctor if you feel unwell rinse mouth.

Hazards Not Otherwise Classified: None

Supplementary Information: Not applicable

3. Composition and Information on Ingredients

Chemical Name	CAS Number
Succinylcholine Chloride	306-40-1
Methyl paraben NF	99-76-3
Propyl paraben NF	94-13-3
Sodium Chloride USP	7440-23-5
Sodium Hydroxide NF	1310-73-2
Hydrochloric Acid NF	7647-01-0
Water for Injection USP	7789-20-0

The exact percentage (concentration) of the composition is being withheld as a trade secret is required.

4. First Aid Measures

Eye Contact	Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
Skin Contact	Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
Inhalation	Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.
Ingestion	Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

5. Fire-Fighting Measures

Flammability	None anticipated for this aqueous product.
Fire & Explosion	None anticipated for this aqueous product.
Extinguishing Media	As with any fire, use extinguishing media appropriate for primary cause of fire such as carbon dioxide, dry chemical extinguishing powder or
Special Fire Fighting Procedures	No special provisions required beyond normal firefighting equipment such as flame and chemical resistant clothing and self-contained breathing apparatus.

6. Accidental Release Measures

Spill Cleanup and Disposal	Isolate area around spill. Put on suitable protective clothing and equipment as specified by site spill control procedures. Absorb the liquid with suitable material and clean affected area with soap and water. Dispose of spill materials according to the applicable federal, state, or local regulations.
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7. Handling and Storage:

- Handling:** No special control measures required for the normal handling of this product.
- Storage:** Store the product 2 to 8°C (36 to 46°F).

8. Exposure Controls / Personal Protection

Exposure Guidelines

Component	Exposure Limits			
	OSHA-PEL	ACGIH-TLV	AIHA WEEL	Hospira EEL
Succinylcholine Chloride	8-hr TWA: Not Established	8-hr TWA: Not Established	8-hr TWA: Not Established	8-hr TWA: Not Established

Notes: OSHA PEL: US Occupational Safety and Health Administration – Permissible Exposure Limit ACGIH TLV: American Conference of Governmental Industrial Hygienists Threshold Limit Value. AIHA WEEL: Workplace Environmental Exposure Level EEL: Employee Exposure Limit. TWA: 8-hour Time Weighted Average.

- Respiratory Protection** Respiratory protection is normally not needed during intended product use. However, if the generation of aerosols is likely, and engineering controls are not considered adequate to control potential airborne exposures, the use of an approved air-purifying respirator with a HEPA cartridge (N95 or equivalent) is recommended under conditions where airborne aerosol concentrations are not expected to be excessive. For uncontrolled release events, or if exposure levels are not known, provide respirators that offer a high protection factor such as a powered air purifying respirator or supplied air. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions require respirator use. Personnel who wear respirators should be fit tested and approved for use.
- Skin Protection** If skin contact with the product formulation is likely, the use of latex or nitrile gloves is recommended.
- Eye Protection** Eye protection is normally not required during intended product use. However, if eye contact is likely to occur, the use of chemical safety goggles (as a minimum) is recommended.
- Engineering Controls** Engineering controls are normally not needed during the normal use of

9. Physical and Chemical Properties

- Appearance:** Clear colorless solution
- Decomposition Temperature (°C):** No data available.
- Evaporation Rate (Gram/s):** No data available
- Vapour Pressure (kPa):** No data available
- Vapour Density (g/ml):** No data available
- Specific Gravity:** No data available
- Viscosity:** No data available

Flammability: Not flammable
Flash Point (Liquid) (°C): Not flammable
Upper Explosive Limits (Liquid) (% by Vol.): No data available
Lower Explosive Limits (Liquid) (% by Vol.): No data available

10. Stability and Reactivity

Reactivity: No data available
Chemical Stability: Stable under recommended storage conditions
Incompatible Materials: No data available
Hazardous Decomposition Products No data available
Hazardous Polymerization No data available

11. Toxicological Information

Acute Toxicity - Not determined for the product formulation. Information for the active ingredient is as follows:

Ingredient(s)	Percent	Test Type	Route of Administration	Value	Units	Species
Succinylcholine	100	LD50	Oral	125	mg/kg	Mouse
Succinylcholine Chloride	100	LD50	Intravenous	0.43 0.24	mg/kg mg/kg	Mouse Rabbit

LD 50: Dosage that produces 50% mortality.

Occupational Exposure Potential

Information on the absorption of this product via inhalation or skin contact is not available. Avoid liquid aerosol generation and skin contact.

Signs and Symptoms

None anticipated from normal handling of this product. In clinical use, adverse reactions are primarily an extension of the pharmacological activity. Succinylcholine chloride can cause profound muscle relaxation, and may produce prolonged respiratory depression to the point of apnea. Infrequently, adverse reactions such as cardiac arrest, malignant hyperthermia, arrhythmias, bradycardia, tachycardia, hypertension, hypotension, hyperkalemia, prolonged respiratory depression or apnea, increased intraocular pressure, muscle fasciculation, jaw rigidity, postoperative muscle pain, rhabdomyolysis with possible myoglobinuric acute renal failure, excessive salivation, and rash have also been reported. Hypersensitivity reactions, including anaphylaxis, may also occur.

Aspiration	None anticipated from normal handling of this product.		
Dermal	None anticipated from normal handling of this product.		
Ocular Irritation/ Corrosion	None anticipated from normal handling of this product. However, inadvertent contact of this product with eyes may		
Dermal or Respiratory	None anticipated from normal handling of this product.		
Reproductive Effects	None anticipated from normal handling of this product. Animal reproduction studies have not been conducted with		
Mutagenicity	The genotoxic potential of succinylcholine chloride has not		
Carcinogenicity	The carcinogenic potential of succinylcholine chloride has not been evaluated.		
Carcinogen Lists	IARC: Not listed	NTP: Not listed	OSHA: Not listed
Specific Target Organ Toxicity	NA		
Specific Target Organ Toxicity – Repeat Exposure	Based on clinical use, possible target organs include the muscular system, nervous system, cardiovascular system, and respiratory system.		

12. Ecological Information

No relevant studies identified.

13. Disposal Conditions

Incinerate in an approved facility. Follow all federal state and local environmental regulations.

14. Transportation Information

ADR/ADG/ DOT STATUS	Not regulated
Proper Shipping Name	NA
Hazard Class	NA
UN Number	NA
Packing Group	NA
Reportable Quantity	NA
ICAO/IATA STATUS	Not regulated
Proper Shipping Name	NA
Hazard Class	NA
UN Number	NA
Packing Group	NA
Reportable Quantity	NA
IMDG STATUS	Not regulated
Proper Shipping Name	NA
Hazard Class	NA
UN Number	NA
Packing Group	NA
Reportable Quantity	NA

15. Regulatory Information

US TSCA Status	Exempt
US CERCLA Status	Not listed
US SARA 302	Not listed
Status US SARA	Not listed
US RCRA Status	Not listed
US PROP 65 (Calif.)	Not listed

Notes: TSCA, Toxic Substance Control Act; CERCLA, US EPA law, Comprehensive Environmental Response, Compensation, and Liability Act; SARA, Superfund Amendments and Reauthorization Act; RCRA, US EPA, Resource Conservation and Recovery Act; Prop 65, California Proposition 65

GHS/CLP Classification* *In the EU, classification under GHS/CLP does not apply to certain substances and mixtures, such as medicinal products as defined in Directive 2001/83/EC, which are in the finished state, intended for the final

Hazard Class	Hazard Category	Pictogram	Signal Word	Hazard Statement
NA	NA	NA	NA	NA

Prevention Do not breathe vapor or spray
 Wash hands thoroughly after handling
 Do not eat, drink or smoke when using this product

Response Get medical attention if you feel unwell.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
 IF SWALLOWED: Call a poison center/doctor if you feel unwell. Rinse mouth.

FDA Designations: Prescription only medication.
 NDC No. 70069- 301-01 (10 mL)

16. Other Information

Revision Date: 01/25/2020
Revision Number: 01

Disclaimer: As of the date of issuance, we are providing available information relevant to the handling of this material. All information contained herein is offered with the good faith belief that it is accurate. In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.