375204



MATERIAL SAFETY DATA SHEET

Product Name: Succinylcholine Chloride Injection (Quelicin)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer Name And Address	Hospira Inc. 275 North Field Drive Lake Forest, Illinois USA 60045
Emergency Telephone	CHEMTREC: North America: 800-424-9300; International 1-703-527-3887; Australia (02) 8014 4880
Hospira, Inc., Non-Emergency	224-212-2000
Product Name	Succinylcholine Chloride Injection (Quelicin)
Synonyms	Suxamethonium Chloride

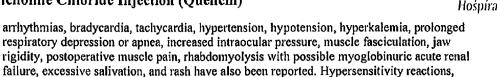
2. COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredient Name	Succinylcholine Chloride
Chemical Formula	$C_{14}H_{30}C_{12}N_2O_4$
Preparation	Non-hazardous ingredients include Water for Injection. Hazardous ingredients present at less than 1% may include sodium chloride; methylparaben and 0.02% propylparaben may also be added as preservatives in multi-dose solutions; sodium hydroxide and/or hydrochloric acid may be use to adjust the pH.

Component	Approximate Percent by Weight	CAS Number	RTECS Number
Succinylcholine Chloride	≤10	71-27-2	GA2360000

3. HAZARD INFORMATION

Substance	IARC	NTP	OSHA
Succinylcholine Chloride	Not Listed	Not Listed	Not Listed
Emergency Overview	Succinylcholine Chloride Inject a depolarizing neuromuscular b clinical procedures. In the work the eyes and respiratory tract. B system, nervous system, cardiou	locking agent used to relax a place, this product should be ased on clinical use, possibl	nuscles during anesthesia and e considered potentially irritatin e target organs include the mus
Occupational Exposure Potential	Information on the absorption o Avoid liquid aerosol generation	f this product via inhalation and skin contact.	or skin contact is not available
Signs and Symptoms	None known following an occu primarily an extension of the ph	armacological activity. Suc	al use, adverse reactions are cinylcholine chloride can cause spiratory depression to the poir



Medical Conditions Pre-existing hypersensitivity to this material; pre-existing muscle, cardiovascular, respiratory, or nervous system ailments.

4. FIRST AID MEASURES

including anaphylaxis, may also occur.

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 Hazard	None anticipated for this aqueous product.
Extinguishing media	As with any fire, use extinguishing media appropriate for primary cause of fire.
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 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.

7. HANDLING AND STORAGE

Handling	No special handling required for hazard control under conditions of normal product use.
Storage	No special storage required for hazard control. For product protection, follow storage recommendations noted on the product case label, the primary container label, or the product insert.



Special Precautions

No special precautions required for hazard control.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

	Exposure limits				
Component	Туре	mg/m3	ppm	μg/m3	Note
Succinylcholine Chloride	Not Applicable	N/A	N/A	N/A	None Established

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 CPR 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 respirator use as required.
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 this product.

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9. PHYSICAL/CHEMICAL PROPERTIES

Appearance/Physical State	Liquid
Color	Clear, Colorless
Odor	NA
Odor Threshold:	NA
pH:	3.6 (3.0 to 4.5)
Melting point/Freezing point:	NA
Initial Boiling Point/Boiling Point	NA
Range:	71
Evaporation Rate:	NA
Flammability (solid, gas):	NA
Upper/Lower Flammability or	NA
Explosive Limits:	
Vapor Pressure:	NA
Vapor Density:	NA
Specific Gravity:	NA
Solubility:	NA
Partition coefficient: n-octanol/water:	NA
Auto-ignition temperature:	NA
Decomposition temperature:	NA



10. STABILITY AND REACTIVITY

Reactivity	Not determined
Chemical Stability	Stable under standard use and storage conditions.
Hazardous Reactions	Not determined
Conditions to avoid	Not determined
Incompatibilities	Not determined
Hazardous decomposition products	Not determined. During thermal decomposition, it may be possible to generate irritating vapors and/or toxic fumes of carbon oxides (COx), nitrogen oxides (NOx), and hydrogen chloride.
Hazardous Polymerization	Not anticipated to occur with this product.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Not determined for the product formulation. Information for the ingredients 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
Aspiration Hazard	No	one anticipated	l from normal handl	ing of this pro	duct.	
Dermal Irritation/Corrosio	n No	one anticipated	l from normal handl	ing of this pro	duct.	
Ocular Irritation/Corrosion	n No thi	None anticipated from normal handling of this product. Inadvertent contact of this product with eyes may produce irritation with redness and tearing.				
Dermal or Respiratory Sensitization	No	None anticipated from normal handling of this product.				
Reproductive Effects		Animal reproduction studies have not been conducted with succinylcholine chloride.				
Mutagenicity	No	No information found.				
Carcinogenicity	Tł	The carcinogenic potential of succinylcholine chloride has not been evaluated.				
Target Organ Effects	Ba ne	Based on clinical use, possible target organs include the muscular system, nervous system, cardiovascular system, and respiratory system.				



12. ECOLOGICAL INFORMATION Aquatle Toxicity Not determined for product Persistence/Biodegradability Not determined for product Bioaccumulation Not determined for product Mobility in Soil Not determined for product 13. DISPOSAL CONSIDERATIONS All waste materials must be properly characterized. Further, disposal should be

	performed in accordance with the federal, state or local regulatory requirements.
Container Handling and Disposal	Dispose of container and unused contents in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

ADR/ADG/ DOT STATUS:	Not regulated
IMDG STATUS:	Not regulated
ICAO/ÍATA STATUS:	Not regulated
Transport Comments:	None

15. REGULATORY INFORMATION

USA Regulations

Substance	TSCA Status	CERCLA Status	SARA 302 Status	SARA 313 Status	PROP 65 Status
Succinylcholine Chloride	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

RCRA Status Not Listed

<u>U,S. OSHA</u>	Target Organ Toxin		
Classification	Possible Irritant		

<u>GHS</u> <u>Classification</u> *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 user:

Hazard Class Not Applicable

Hazard Category	Not Applicable
Signal Word	Not Applicable
Symbol	Not Applicable
Prevention	P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
Hazard Statement	Not Applicable
Response:	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. Wash hands after handling.
	Get medical attention if you feel unwell.

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EU Classification*

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*Medicinal products are exempt from the requirements of the EU Dangerous Preparations Directive. Information provided below is for the pure drug substance Succinylcholine Chloride

Classification(s):	Not Applicable
Symbol:	Not Applicable
Indication of Danger:	Not Applicable
Risk Phrases:	Not Applicable
Safety Phrases:	 S23 - Do not breathe vapor. S24 - Avoid contact with skin. S25 - Avoid contact with eyes. S37/39 - Wear suitable gloves and eye/face protection.

16. OTHER INFORMATION:

Notes:	
ACGIH TLV	American Conference of Governmental Industrial Hygienists – Threshold Limit Value
CAS	Chemical Abstracts Service Number
CERCLA	US EPA law, Comprehensive Environmental Response, Compensation, and Liability Act
DOT	US Department of Transportation Regulations
EEL	Employee Exposure Limit
IATA	International Air Transport Association
LD50	Dosage producing 50% mortality
NA	Not applicable/Not available
NE	Not established
NIOSH	National Institute for Occupational Safety and Health
OSHA PEL	US Occupational Safety and Health Administration – Permissible Exposure Limit
Prop 65	California Proposition 65
RCRA	US EPA, Resource Conservation and Recovery Act
RTECS	Registry of Toxic Effects of Chemical Substances
SARA	Superfund Amendments and Reauthorization Act
STEL	15-minute Short Term Exposure Limit
TSCA	Toxic Substance Control Act
TWA	8-hour Time Weighted Average



MSDS Coordinator: Hospira GEHS Date Prepared: 11/03/2011 Obsolete Date: 08/24/2010

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