SAFETY DATA SHEETS

This SDS packet was issued with item: 078803299

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078923723



SAFETY DATA SHEET

Product Name: Aminocaproic Acid Injection

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Name And Address	Hospira, Inc. 275 North Field Drive Lake Forest, Illinois 60045 USA
Emergency Telephone	CHEMTREC: North America: 800-424-9300; International 1-703-527-3887; Australia - 61-290372994; UK - 44-870-8200418
Hospira, Inc., Non-Emergency	224 212-2000
Product Name	Aminocaproic Acid Injection
Synonyms	6-aminohexanoic acid

2. HAZARD(S) IDENTIFICATION

Emergency Overview

Aminocaproic Acid Injection is a solution containing aminocaproic acid, an inhibitor of fibrinolysis. In clinical use, this product is used to enhance clotting when fibrinolysis contributes to bleeding. In the workplace, this material should be considered potentially irritating to the skin, eyes and respiratory tract. Based on clinical use, potential target organs include the blood and cardiovascular system.

U.S. OSHA GHS Classification

Physical Hazards	Hazard Class	Hazard Category	
	Not Classified	Not Classified	
Health Hazards	Hazard Class	Hazard Category	
	Skin Irritation Eye Damage / Irritation STOT - RE	2 2A 2	
Label Element(s)			
Pictogram			
Signal Word	Warning		
Hazard Statement(s)	Causes skin irritation Causes serious eye irritati May cause damage to org	on ans through prolonged or repeated exposure	
Precautionary Statement(s)	inay cause aumage to org	and anough protongou of repeated exposure	
Prevention	Do not breathe vapor or s Wear protective gloves Wear eye protection/face Wash hands thoroughly a	protection.	
Response	Get medical attention if y	ou 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		
		plenty of water. Take off contaminated clothing and wash it tion occurs: Get medical advice/attention.	
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredient Name	6-Aminocaproic Acid
Chemical Formula	C ₆ H ₁₃ NO ₂

Component	Approximate Percent by Weight	CAS Number	RTECS Number	
Aminocaproic Acid	25	60-23-2	MO6300000	
Non hazandous in anadients include Water for Inightion Undershlarin and is used to adjust the rU				

Non-hazardous ingredients include Water for Injection. Hydrochloric acid is used to adjust the pH.

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 Hazard	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 foam.
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.

7. HANDLING AND STORAGE

Handling	No special handling required 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	OSHA-PEL	ACGIH-TLV	AIHA WEEL	Hospira EEL
Aminoconrois Asid	8-hr TWA: Not	8-hr TWA: Not	8-hr TWA: Not	8 hr TWA: Not
Aminocaproic Acid	Established	Established	Established	Established
ACGIH TLV: American Co	ed Average.			
Respiratory Protection	if the generation of ac adequate to control por respirator with a HEF conditions where airb uncontrolled release of that offer a high prote supplied air. A respin and ANSI Z88.2 requ	n is normally not neede prosols is likely, and er otential airborne expose A cartridge (N95 or ec- orne aerosol concentra- events, or if exposure le- ection factor such as a p- ratory protection progra- irements must be follo . Personnel who wear or use as required.	igineering controls are ures, the use of an app quivalent) is recommen- tions are not expected evels are not known, p powered air purifying am that meets OSHA' wed whenever workp	e not considered proved air-purifying nded under I to be excessive. For provide respirators respirator or s 29 CFR 1910.134 lace conditions
Skin Protection	If skin contact with the product formulation is likely, the use of latex or nitrile glov is recommended.			tex or nitrile gloves
Eye Protection		nally not required duri cur, the use of chemica		
Engineering Controls	Engineering controls	are normally not neede	ed during the normal u	use of this product.

9. PHYSICAL/CHEMICAL PROPERTIES

A me a man as / Dharring State	A _4
Appearance/Physical State	A sterile pyrogen-free aqueous solution
Odor	NA
Odor Threshold	NA
рН	6.8
Melting point/Freezing point	NA
Initial Boiling Point/Boiling Point Range	NA
Flash Point	NA
Evaporation Rate	NA
Flammability (solid, gas)	NA
Upper/Lower Flammability or Explosive Limits	NA
Vapor Pressure	NA
Vapor Density (Air =1)	NA
Relative Density	NA
Solubility	Aminocaproic acid is soluble in water, acid and alkaline solutions; it is sparingly soluble in methanol and practically insoluble in
	chloroform.
Partition coefficient: n-octanol/water:	NA
Auto-ignition temperature	NA
Decomposition temperature	NA
Viscosity	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) and nitrogen oxides (NOx).
Hazardous Polymerization	Not anticipated to occur with this product.

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
				14,300	mg/kg	Mouse
		LD50	Oral	12,000	mg/kg	Mouse
Aminocaproic Acid	100			>10,000	mg/kg	Rat
Anniocaptole Acid				16,400	mg/kg	Rat
				>7000	mg/kg	Dog
				>7000	mg/kg	Monkey
				4900	mg/kg	Mouse
Aminocaproic Acid	100	LD50	Intravenous	3000	mg/kg	Mouse
				2000	mg/kg	Rabbit
				3300	mg/kg	Rat
				3200	mg/kg	Rat

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 effects may include nausea, diarrhea, gastrointestinal upset, decreased blood pressure, dizziness, ringing in the ear, nasal congestion, nasal discharge, headaches, muscle weakness, rash, and alterations in blood chemistry.
Aspiration Hazard	None anticipated from normal handling of this product.
Dermal Irritation/ Corrosion	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 produce irritation. Aminocaproic acid was a mild to moderate eye irritant in animals.
Dermal or Respiratory Sensitization	None anticipated from normal handling of this product. However, allergic anaphylactoid reactions, and anaphylaxis have been reported during the clinical use of this product in patients.
Reproductive Effects	None anticipated from normal handling of this product. Dietary administration of an equivalent of the maximum human therapeutic dose of aminocaproic acid to rats of both sexes impaired fertility as evidenced by decreased implantations, litter sizes and number of pups born. Animal reproduction studies have not been conducted with aminocaproic acid.



11. TOXICOLOGICAL INFORMATION: continued

Mutagenicity	Studies to evaluate the mutagenic potential of aminocaproic acid have not been conducted.		
Carcinogenicity	Long-term studies in animals to evaluate the carcinogenic potential of aminocaproic acid.		
Carcinogen Lists	IARC: Not listed	NTP: Not listed	OSHA: Not listed
Specific Target Organ Toxicity – Single Exposure	NA		

Specific Target Organ ToxicityBased on clinical use, potential target organs include the blood and cardiovascular- Repeat Exposuresystem.

12. ECOLOGICAL INFORMATION	
Aquatic Toxicity	Not determined for product.
Persistence/Biodegradability	Not determined for product.
Bioaccumulation	Not determined for product.
Mobility in Soil	Not determined for product.
Notes:	

13. DISPOSAL CONSIDERATIONS

Waste Disposal	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 Proper Shipping Name Hazard Class UN Number Packing Group	Not regulated NA NA NA NA
Reportable Quantity	NA
ICAO/IATA STATUS Proper Shipping Name Hazard Class UN Number Packing Group Reportable Quantity	Not regulated NA NA NA NA NA
IMDG STATUS	Not regulated
Proper Shipping Name Hazard Class UN Number Packing Group Reportable Quantity	NA NA NA NA

Notes: DOT - US Department of Transportation Regulations



15. REGULATORY INFORMATION

US TSCA Status	Exempt
US CERCLA Status	Not listed
US SARA 302 Status	Not listed
US SARA 313 Status	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 user.			
Hazard Class	Hazard Category	Pictogram	Signal Word	Hazard Statement
NA	NA	NA	NA	NA
Prevention	Do not breathe vapor or spray. Wear protective gloves Wear eye protection/face protection. 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 ON SKIN: Wash w before reuse. If skin ir	1 .		ated clothing and wash it ntion.
EU Classification*	*Medicinal products a Preparations Directive		e requirements of the	EU Dangerous
Classification(s) Symbol Indication of Danger Risk Phrases Safety Phrases	NA NA NA S23: Do not breathe vi S24: Avoid contact wi S25: Avoid contact wi S37/39 Wear suitable	th the skin th eyes	e 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
LD ₅₀	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
STOT - SE	Specific Target Organ Toxicity – Single Exposure
STOT - RE	Specific Target Organ Toxicity – Repeated Exposure
TSCA	Toxic Substance Control Act
TWA	8-hour Time Weighted Average
MSDS Coordinator:	Hospira GEHS

Date Prepared:October 17, 2012Date Revised:June 02, 2014

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