

MATERIAL SAFETY DATA SHEET

Product Name: Naloxone Hydrochloride Injection, USP

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer Name Hospira, Inc.

And Address 275 North Field Drive

Lake Forest, Illinois 60045

USA

Emergency Telephone

CHEMTREC: 800 424-9300

Hospira, Inc.

224 212-2055

Product Name Naloxone Hydrochloride Injection, USP

Synonyms None

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name Naloxone Hydrochloride

Chemical Formula C₁₉H₂₂ClNO₄

Component	Approximate Percent by Weight	CAS Number	RTECS Number	
Naloxone Hydrochloride	0.04	357-08-4	QD2275000	
Sodium Chloride	0.9	7647-14-5	VZ4725000	
Water	99	7732-18-5	ZC0110000	

3. HAZARD INFORMATION

Emergency Overview In clinical use, this material is used to reverse the effects of narcotic overdose.

Possible target organs include the nervous system and cardiovascular system.

Occupational Exposure

Potential

Information on the absorption of this compound via ingestion,

inhalation or skin contact is not available. Avoid liquid aerosol generation and

skin contact.

Signs and Symptoms No signs or symptoms from occupational exposure are known. Clinical data

suggest the following: drowsiness, altered blood pressure, cardiac changes, edema, increased blood pressure, memory lapse, numbness, sweating, nausea,

gastrointestinal upset, mood changes.

Medical Conditions

Aggravated by Exposure

Hypersensitivity to the material and/or similar materials. Pre-existing ailments

in the following organs: nervous system, cardiovascular system.

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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: Non-flammable

Fire & Explosion

Hazard:

None

Extinguishing Media: Use extinguishing media appropriate for primary cause of fire.

Special Fire Fighting

Procedures

No special provisions required beyond normal fire fighting equipment such as flame and chemical resistant clothing and self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spill Cleanup and Disposal Absorb with suitable material and clean affected area with soap and water.

Dispose of materials according to the applicable federal, state, or local

regulations.

7. HANDLING AND STORAGE

Handling Protect from light by retaining in carton until contents have been used.

Storage No special storage required for hazard control. For product protection store at

controlled room temperature of 15-30°C (59-86°F).

Special Precautions Protect from freezing, light and extreme heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	Exposure limits			
	OSHA-PEL	ACGIH-TLV	Hospira EEL	
Naloxone Hydrochloride	8 hr TWA: Not Established	8 hr TWA: Not Established	8 hr TWA: 1 mg/m3 STEL: Not Established	
Sodium Chloride	8 hr TWA: Not Established	8 hr TWA: Not Established	8 hr TWA: Not Established STEL: 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.

EEL: Employee Exposure Limit.
TWA: 8 hour Time Weighted Average.
STEL: 15-minute Short Term Exposure Limit.

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Respiratory Protection Respiratory protection is not needed during normal product use.

Skin Protection If solution contact with unprotected skin is likely, use of impervious gloves is a

prudent practice.

Eye Protection Eye protection is not required during expected product use conditions but may

be warranted should a splash potential exist.

Engineering Controls Engineering controls are not needed during normal product use conditions.

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance/Physical Clear liquid

State

Odor None

Boiling Point Approximately that of water (100 °C, 212 °F). **Freezing Point** Approximately that of water (0 °C, 32 °F).

Vapor Pressure Approximately that of water (17.5 mm Hg at 20 °C).

Vapor Density (Air=1) Not Applicable
Evaporation Rate Not Applicable
Bulk Density Not Determined

Specific Gravity Approximately that of water (1.0).

Solubility Water \mathbf{pH} 3.0 – 4.5

10. STABILITY AND REACTIVITY

Chemical Stability Stable under standard use and storage conditions.

Incompatibilities Narcotics

Hazardous Toxic fumes of nitrogen oxides and HCl.

Decomposition Products

Hazardous Not Determined.

Polymerization

11. TOXICOLOGICAL INFORMATION:

Acute Toxicity - Oral:

Ingredient(s)	Percent	Test Type	Value	Units	Species
Naloxone Hydrochloride	100	LD50	1000	mg/kg	Rats, Mice

LD50: Dosage needed to produce 50% mortality.

Product contains approximately 0.04% Naloxone Hydrochloride.

Mutagenicity Not Determined

Target Organ Effects In clinical use target organ effects include nervous system and cardiovascular

system.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity Not Available

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13. DISPOSAL CONSIDERATIONS:

Waste Disposal Disposal should be performed in accordance with the federal, state or local

regulatory requirements.

Container Handling Dispose of container and unused contents in accordance with federal, state,

and Disposal and local regulations.

14. TRANSPORTATION INFORMATION

DOT Not Regulated

Notes: DOT - US Department of Transportation Regulations

15. REGULATORY INFORMATION

TSCA Status

CERCLA Status

Not Regulated
Not Regulated
Not Regulated
RCRA Status

Not Regulated
Not Regulated
Not Regulated
Not Regulated
PROP 65 (Calif.)

Not Regulated

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

16. OTHER INFORMATION:

MSDS Coordinator Global Occupational Toxicology

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