



MATERIAL SAFETY DATA SHEET

Product Name: Hydrocortisone Sodium Succinate for Injection, USP (A-HydroCort®)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer Name And Address Hospira, Inc.
275 North Field Drive
Lake Forest, Illinois 60045
USA

Emergency Telephone Hospira, Inc. CHEMTREC: 800 424-9300
224 212-2055

Product Name Hydrocortisone Sodium Succinate for Injection, USP (A-HydroCort®)

Synonyms None

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name Hydrocortisone Sodium Succinate
Chemical Formula $C_{25}H_{33}NaO_8$

Component	Approximate Percent by Weight	CAS Number	RTECS Number
Hydrocortisone Sodium Succinate	94	125-04-2	GM9015000
Sodium Phosphate, Dibasic	6	7558-79-4	WC4500000

3. HAZARD INFORMATION

Emergency Overview In clinical use, this material is used as a corticosteroid that can affect the immune system. Target organs include the immune system, heart, and eyes.

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 with solution.

Signs and Symptoms No signs or symptoms from occupational exposure are known. Clinical data suggests the following: abnormal immune function, endocrine dysfunction, altered blood pressure, electrolyte imbalances, psychological impairment, glaucoma, cataracts, altered pigmentation.

Medical Conditions Aggravated by Exposure Hypersensitivity to the material and/or similar materials. Pre-existing endocrine system, immune system, cardiovascular system, and central nervous system ailments.

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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 the underlying 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	Collect material while minimizing dust generation. Clean affected area with soap and water. Dispose of materials according to the applicable federal, state, or local regulations.
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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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	Exposure limits		
	OSHA-PEL	ACGIH-TLV	Hospira EEL
Hydrocortisone Sodium Succinate	8 hr TWA: Not Established	8 hr TWA: Not Established	8 hr TWA: 100 mcg/m ³ STEL: Not Established
Sodium Phosphate, Dibasic	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.

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 State	White to off-white powder
Odor	Not determined
Boiling Point	Not determined
Freezing Point	169-171.2 °C
Vapor Pressure	Not determined
Vapor Density (Air=1)	Not Applicable
Evaporation Rate	Not Applicable
Bulk Density	Not Determined
Specific Gravity	Not determined
Solubility	Water, ethanol
pH	Not determined

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under standard use and storage conditions.
Incompatibilities	None
Hazardous Decomposition Products	Toxic fumes of nitrogen and carbon oxides
Hazardous Polymerization	None

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11. TOXICOLOGICAL INFORMATION:

Acute Toxicity:

Ingredient(s)	Percent	Test Type	Value	Units	Species
Sodium Phosphate, Dibasic	100	LD50	17,000	mg/kg	Rats

LD50: Dosage needed to produce 50% mortality.

Mutagenicity Not Determined.

Target Organ Effects In clinical use target organ effects include cardiovascular system, central nervous system, endocrine system, immune system.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity Not determined.

13. DISPOSAL CONSIDERATIONS:

Waste Disposal 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

DOT Not Regulated

Notes: DOT - US Department of Transportation Regulations

15. REGULATORY INFORMATION

TSCA Status Not Regulated

CERCLA Status Not Regulated

SARA Status Not Regulated

RCRA Status 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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