



## MATERIAL SAFETY DATA SHEET

**Product Name: Methylprednisolone Sodium Succinate for Injection, USP (A-Methapred®)**

### 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** Methylprednisolone Sodium Succinate for Injection, USP (A-Methapred®)

**Synonyms** A-Methapred®

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredient Name** Methylprednisolone Sodium Succinate  
**Chemical Formula**  $C_{26}H_{33}NaO_8$

Component	Approximate Percent by Weight	CAS Number	RTECS Number
Methylprednisolone Sodium Succinate	100	2375-03-3	TU4154060

### 3. HAZARD INFORMATION

**Emergency Overview** In clinical use, this material is a potent anti-inflammatory adrenocortical-like steroid. Target organ effects include the eyes, central nervous system and the immune 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: muscle weakness, gastrointestinal upset, headaches, vertigo, convulsions, electrolyte imbalances, glaucoma, edema, and increased blood pressure.

**Medical Conditions Aggravated by Exposure** Data suggest any preexisting ailments in the following organs: eyes, cardiovascular system, thyroid, liver, central nervous system, musculoskeletal system, immune system and bone.

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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 ready to use.

**Storage** No special storage required for hazard control. For product protection store at controlled room temperature of 20-25°C (68-77°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
Methylprednisolone Sodium Succinate	8 hr TWA: Not Established	8 hr TWA: Not Established	8 hr TWA: 20 mcg/m3 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 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 powder

**Odor**    Odorless

**Boiling Point**                                  Not Applicable

**Freezing Point**                                Not Applicable

**Vapor Pressure**                                Not Applicable

**Vapor Density (Air=1)**                        Not Applicable

**Evaporation Rate**                             Not Applicable

**Bulk Density**                                  Not Determined

**Specific Gravity**                                Not Applicable

**Solubility**                                        Water

**pH**     Not Applicable

**10. STABILITY AND REACTIVITY**

**Chemical Stability**                            Stable under standard use and storage conditions.

**Incompatibilities**                            Not Determined

**Hazardous Decomposition Products**                              Oxides of carbon.

**Hazardous Polymerization**                              Not Determined.

**11. TOXICOLOGICAL INFORMATION:**

**Acute Toxicity – Oral:**

<b>Ingredient(s)</b>	<b>Percent</b>	<b>Test Type</b>	<b>Value</b>	<b>Units</b>	<b>Species</b>
Methylprednisolone Sodium Succinate	100	LD50	> 5000	mg/kg	Mice, Rats

LD50 is the dosage producing 50% mortality.  
Product contains approximately 100% Methylprednisolone Sodium Succinate.

**Mutagenicity**                                  Not Determined

**Target Organ Effects**                        Target organ effects include the eyes, central nervous system and the immune system.

**12. ECOLOGICAL INFORMATION:**

**Aquatic Toxicity**                              Not Available

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**13. DISPOSAL CONSIDERATIONS:**

<b>Waste Disposal</b>	Disposal should be performed in accordance with the federal, state or local regulatory requirements.
<b>Container Handling and Disposal</b>	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**

<b>TSCA Status</b>	Not Regulated
<b>CERCLA Status</b>	Not Regulated
<b>SARA Status</b>	Not Regulated
<b>RCRA Status</b>	Not Regulated
<b>PROP 65 (Calif.)</b>	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:**

<b>MSDS Coordinator</b>	Global Occupational Toxicology
<b>Date Prepared</b>	September 15, 2005
<b>Date Revised</b>	October 21, 2008

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