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: Sodium Nitroprusside
Synonyms: Nitropress®

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name: Sodium Nitroprusside Dihydrate
Chemical Formula: C₅H₄FeN₆Na₂O₃

<table>
<thead>
<tr>
<th>Component</th>
<th>Approximate Percent by Weight</th>
<th>CAS Number</th>
<th>RTECS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Nitroprusside Dihydrate</td>
<td>100</td>
<td>13755-38-9</td>
<td>LJ8925000</td>
</tr>
</tbody>
</table>

3. HAZARD INFORMATION

Emergency Overview: In clinical use, this material is used to treat hypertension. Possible target organs include the cardiovascular system, central nervous system, hematopoietic system, endocrine system, kidneys, ears and eyes. Repeated exposure may cause ringing in the ears, blurred vision, and delirium.

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: decreased blood pressure, dizziness, breathing difficulty, headaches, vomiting, incoordination, sweating, and palpitation. Chronic exposure may result in ringing in the ear, visual impairment, psychiatric changes.

Medical Conditions Aggravated by Exposure: Hypersensitivity to the material and/or similar materials. Pre-existing ailments in the following organs: kidney, bone marrow, cardiovascular system, thyroid.
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

<table>
<thead>
<tr>
<th>Exposure Guidelines</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Nitroprusside Dihydrate</td>
<td>OSHA-PEL 8 hr TWA: Not Established</td>
</tr>
</tbody>
</table>

Product Name: Sodium Nitroprusside Injection (Nitropress®)

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/Physical State</td>
<td>Reddish-brown powder</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>Slightly soluble in alcohol. Soluble in water</td>
</tr>
<tr>
<td>pH</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Chemical Stability  Stable under standard use and storage conditions.

Incompatibilities  Not Determined

Hazardous  Toxic fumes of cyanides and oxides of nitrogen.

Decomposition  Not Determined

Hazardous Products  Not Determined.

Polymerization  Not Determined.

11. TOXICOLOGICAL INFORMATION:

Acute Toxicity – Oral:

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Percent</th>
<th>Test Type</th>
<th>Value</th>
<th>Units</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Nitroprusside Dihydrate</td>
<td>100</td>
<td>LD50</td>
<td>34</td>
<td>mg/kg</td>
<td>Rabbits, Dogs</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LD50 is the dosage producing 50% mortality.  
Product contains approximately 100% Sodium Nitroprusside Dehydrate.

Mutagenicity  Not Determined

Target Organ Effects  In clinical use target organ effects include hematopoietic, renal, and thyroid systems.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity  Not Available
Product Name: Sodium Nitroprusside Injection (Nitropress®)

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 T. Straits MPH, CIH
Date Prepared September 15, 2005

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