



## MATERIAL SAFETY DATA SHEET

**Product Name: Propofol Injectable Emulsion 1%**

### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

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

**Note:** Hospira, formerly the Hospital Products Division of Abbott Laboratories, was created as an independent company in May 2004.

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

**Product Name** Propofol Injectable Emulsion 1%

**Synonyms** 2,6 - Diisopropylphenol, 2-6-DIP

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredient Name** 2,6 - Diisopropylphenol  
**Chemical Formula** C<sub>12</sub>H<sub>18</sub>O

Component	Approximate Percent by Weight	CAS Number	RTECS Number
2,6 - Diisopropylphenol	1.0	2078-54-8	SL08100000
Benzyl Alcohol	0.2	100-51-6	DN3150000
Non-hazardous ingredients*	14	NA	NA
Water	85	7732-18-5	ZC0110000

Non-hazardous ingredients include Egg Lecithin, Soybean Oil, and Glycerin.

### 3. HAZARD INFORMATION

**Emergency Overview** Propofol Injectable Emulsion is a phenolic compound used to induce and maintain anesthesia and sedation. It is administered intravenously. Target organs include the central nervous system.

**Occupational Exposure  
Potential** Information on the absorption of this compound via ingestion and inhalation is not available.

**Signs and Symptoms** No signs or symptoms from occupational exposure are known. Clinical data suggest adverse effects include slowed heart rate, decreased blood pressure, transient apnea, rash and cough. Reported to cause eye and skin irritation.

**Medical Conditions  
Aggravated by Exposure** None Known.

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#### **4. FIRST AID MEASURES**

<b>Eye Contact:</b>	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.
<b>Skin Contact:</b>	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.
<b>Inhalation:</b>	Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic / supportive care as necessary.
<b>Ingestion:</b>	Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic / supportive care as necessary.

#### **5. FIRE FIGHTING MEASURES**

<b>Flammability:</b>	Flash Point 234° F
<b>Fire &amp; Explosion Hazard:</b>	None
<b>Extinguishing Media:</b>	Use extinguishing media appropriate for primary cause of fire.
<b>Special Fire Fighting Procedures</b>	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**

<b>Spill Cleanup and Disposal</b>	Absorb with suitable material and 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**

<b>Handling</b>	No special handling required.
<b>Storage</b>	No special storage required for hazard control. For product protection, store at temperatures of 4 - 22°C (40 - 72°F). Do not freeze.
<b>Special Precautions</b>	None

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Component	Exposure limits		
	OSHA-PEL	ACGIH-TLV	Hospira EEL
2,6 - Diisopropylphenol	8 hr TWA: Not Established	8 hr TWA: Not Established	8 hr TWA: 2.0 mg/m <sup>3</sup> STEL: 10.0 mg/m <sup>3</sup>

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, impervious gloves are a prudent practice.
- Eye Protection**                              Eye protection is not required during typical 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, oil-in-water emulsion.
- Odor**    Slight phenolic odor
- Boiling Point**                                      242° C (468° F)
- Freezing Point**                                      Approximately that of water.
- Vapor Pressure**                                      0.142 mm Hg @ 20° C
- Vapor Density (Air=1)**                                      Not Determined
- Evaporation Rate**                                      Approximately that of water.
- Bulk Density**                                      Not Determined
- Specific Gravity**                                      0.955
- Solubility**    Soluble in water
- pH**    7.0 – 8.5

**10. STABILITY AND REACTIVITY**

- Chemical Stability**                                      Stable
- Incompatibilities**                                      None known.
- Hazardous Decomposition Products**                                      Carbon monoxide, carbon dioxide.
- Hazardous Polymerization**                                      Not expected.

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**11. TOXICOLOGICAL INFORMATION:**

**Acute Toxicity – Oral:**

Ingredient(s)	Percent	Test Type	Value	Units	Species
2,6 - Diisopropylphenol	100	LD50	518-1230	mg/kg	Rats, Mice
2,6 - Diisopropylphenol	100	LD50	> 2000	Mg/kg	Rabbits

LD50 is the dosage producing 50% mortality.

Product contains approximately 1% 2, 6-Diisopropylphenol.

<b>Mutagenicity</b>	Not Known
<b>Dermal Irritation</b>	Reported to have the potential to produce slight skin irritation.
<b>Ocular Irritation</b>	Reported to have the potential to produce slight eye irritation.
<b>Target Organ Effects</b>	In clinical use target organ effects include the central nervous system.
<b>Carcinogenicity</b>	Not Known

**12. ECOLOGICAL INFORMATION:**

**Aquatic Toxicity** Not Available

**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 Status** 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:**

MSDS Coordinator: T. Straits MPH, CIH  
Date Prepared: March 17, 2006

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