

ANSI Format



Inderal Intravenous

Preparation Date 30-Nov-2006	Revision Date 01-Apr-2008	Revision Number 1
1.	PRODUCT AND COMPANY IDENTIFICATION	
Product Name Common Name Chemical Name Synonyms Product Use Classification	Inderal Intravenous Not available Not applicable Propranolol Hydrochloride Injection, Propranolol Hydrochloride Pharmaceutical product Cardiovascular Drug, Beta-adrenergic	
Supplier	Wyeth P.O. Box 8299 Philadelphia, PA 19101 USA. Telephone: 1-610-688-4400	
Emergency Telephone Number	Chemtrec USA, Puerto Rico, Canada 1-800-424-9300 Chemtrec International 1-703-527-3887	
2. HAZARDS IDENTIFICATION		
Emergency Overview		

This contains an active pharmaceutical ingredient that can affect body functions; handle with caution.		
Appearance Liquid	Physical State Liquid	Odor Not available
Potential Physical Hazards	None known	
Potential Health Effects Eyes Skin Inhalation Ingestion	Not available Not available Not available The most common effects may include low blood pressure/hy lightheadedness, dizziness, paresthesia of hands, thrombocy lassitude, weakness, fatigue, catatonia, visual disturbances, h disorientation for time and place, short-term memory loss, em clouded sensorium. May cause harm to the unborn child. Please see Patient Package Insert for further information.	topenic purpura, insomnia, nallucinations, vivid dreams,
Therapeutic Target Organ(s)	Cardiovascular system.	
— Potential Environmental Effects	Not listed by OSHA, NTP or IARC. There is no known ecological information for this product.	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name		CAS-No	Composition
Propranolol Hydrochloride		318-98-9	0.1%
Inactive Ingredients		Not applicable	Remainder
	4. F	IRST AID MEASURES	
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice.		
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.		
Inhalation	Move to fresh air. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician.		
Ingestion	If symptoms persist, call a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.		
Notes to Physician	Hypersensitivity reactions, including anaphylactic or anaphylactoid reactions have been reported with therapeutic use of Propranolol Hydrochloride.		
	5. FIRI	E-FIGHTING MEASURES	
Flammable Properties	Presumed to b	e a combustible particulate solid.	
Extinguishing Media			
Suitable Extinguishing Media Unsuitable Extinguishing Media	Use water spra Do NOT use w	ay, foam, dry chemical or carbon dioxid vater jet.	e.
Fire Fighting	Evacuate area and fight fire from a safe distance. Cool closed containers exposed to fire with water spray. In the event of fire and/or explosion do not breathe fumes.		
Hazardous Combustion Products	Carbon oxides	Carbon oxides, nitrogen oxides.	
Protective Equipment and Precautions for Firefighters	In the event of for fire fighters		paratus and special protective equipment
	6. ACCIDENTAL RELEASE MEASURES		
Personal Precautions	Refer to protect	ctive measures listed in Sections 7 and	8.
Environmental Precautions	Prevent produ cannot be con	0	es should be advised if a significant spill
Methods for Containment	Not available		
Methods for Cleaning up	Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly. Avoid formation of dust and aerosols.		

7. HANDLING AND STORAGE

Handling

For personal protection see Section 8. Handle in accordance with good industrial hygiene and safety practice. Skin should be washed after contact. Avoid formation of dust and aerosols.

Storage

No special safety precautions required. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Common Name Propranolol Hydrochloride	Exposure Guideline 50 mcg/m³
Engineering Controls	Apply technical measures to comply with the occupational exposure guideline. Local exhaust ventilation is needed for limited open handling or where aerosols may be generated.
Personal Protective Equipment Eye/face Protection Skin Protection Respiratory Protection	Provide eye protection based on risk assessment. Wear nitrile or latex gloves. Wear protective garment. Base respirator selection on a risk assessment.
General Hygiene Considerations	When using, do not eat, drink or smoke. General industrial hygiene practice. Wash hands before breaks and at the end of workday.
Other	Limit access to only personnel trained in the safe handling of this material. Consult a health and safety professional for specific PPE, respirator, and risk assessment guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Color Odor Threshold	Liquid Clear Not available	Physical State Odor	Liquid Not available
рН	Not available		
Specific Gravity Solubility Partition Coefficient (n-octanol/water) Vapor Pressure	Not available Not applicable Not available Not applicable	Water Solubility Evaporation Rate Vapor Density	Not available Not available Not available
Boiling Point Flash Point Melting Point Flammability Limits in Air Explosion Limits	Not available Not applicable Not applicable Upper Not applicable Upper Not applicable	Autoignition Temperature Method Lower Not applicable Lower Not applicable	Not applicable None

10. STABILITY AND REACTIVITY		
Chemical Stability	Stable at room temperature.	
Conditions to Avoid	No data available	
Materials to Avoid	No materials to be especially mentioned.	
Hazardous Decomposition Products	None under normal use.	
Possibility of Hazardous Reactions	None under normal use.	

11. TOXICOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

Acute Toxicity

466 mg/kg rats
Not applicable
Not applicable
Not applicable

Multiple Dose Toxicity

Propranolol Hydrochloride	
No Toxicologic Effect	See below
Dose/Species/Study Length:	

Maximum Tolerated Dose (MTD), Oral

Propranolol Hydrochloride	
Carcinogenicity	Long-term studies in rats revealed no evidence of carcinogenicity.
Genetic Toxicity	Based on differing results from AMES tests performed by different laboratories, there is equivocal evidence for a genotoxic effect of Propranolol in bacteria.
Reproductive Toxicity	Studies in rats were found to have no effect on fertility and reproductive performance.
Developmental Toxicity	Studies in rats conducted indicated that this compound did not cause birth defects but can affect growth and development of fetus and newborns.

Propranolol Hydrochloride Target Organ(s) of Toxicity

No data available

12. ECOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

Chemical Fate Information	Not available	
Ecotoxicity	Not available	
13. DISPOSAL CONSIDERATIONS		
Waste Disposal Method	Dispose of in accordance with local and national regulations.	

14. TRANSPORT INFORMATION

Transport Information

This material is not classified as hazardous for transport.

U.S. Department of Transport (DOT) Canadian Transport of Dangerous Goods (TDG) International Civil Aviation Organization (ICAO)	Not regulated Not regulated Not regulated Not regulated
International Air Transport Association (IATA) International Maritime Dangerous Goods (IMDG)/International Maritime Organization (IMO) Transport of Dangerous Goods by Rail (RID)	Not regulated
Transport of Dangerous Goods by Road (ADR) Transportation of Dangerous Goods via Inland Waterways (ADN)	Not regulated Not regulated Not regulated

15. REGULATORY INFORMATION

USA

Federal Regulations

OSHA Regulatory Status

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization	
Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

This product does not contain any HAPs.

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

Canada

Not classified

WHMIS Hazard Class

Non-controlled

European Union

In accordance with EC directives or respective national laws, the product does not need to be classified nor labeled.

16. OTHER INFORMATION

Prepared By Format List of References Revision Summary Wyeth Department of Environment, Health & Safety This MSDS was prepared in accordance with ANSI Z400.1-2004. Product Package Insert Changes to Section 2

Disclaimer:

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End of MSDS