

Product Name:
Issued:

PropoFlo
Apr-27-2005



MATERIAL SAFETY DATA SHEET

ANIMAL HEALTH

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Name and Address: Abbott Laboratories
200 Abbott Park Road
Abbott Park, Illinois 60064

Customer Service Telephone: 1 - 888 - 299 - 7416 (Abbott Animal Health 8:00 am - 5:00 pm CST)

Emergency Telephone: 1 (800) 424-9300 CHEMTREC (USA)
1 (703) 527 3887 CHEMTREC (INTERNATIONAL)

Product Name: PropoFlo

Synonyms: Propofol ES; Propofol Injectable Emulsion, 10 mg/mL

Trade Name: PropoFlo

Product Use: Veterinary use. Injectable anaesthetic agent.

List Number: 3919; 5206; 6059

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	OSHA PEL	ACGIH TLV	AIHA WEEL	Abbott EEL	Skin Notation
2,6-Diisopropylphenol 2078-54-8	1	Not Listed	Not Listed	Not Applicable	2 mg/m ³ for 8-hr TWA : 10 mg/m ³ for 15-min STEL	None
Water 7732-18-5	85 - 86	Not Listed	Not Listed	Not Applicable	Not Applicable	None
Soybean Oil 8001-22-7	10	Not Listed	Not Listed	Not Applicable	Not Applicable	None
Glycerol 56-81-5	2 - 3	Not Listed	10 mg/m ³ (total mist)	Not Applicable	Not Applicable	None
Egg Phosphatide L-02-3139	1 - 2	Not Listed	Not Listed	Not Applicable	Not Applicable	None

Notes:

OSHA PEL: US Occupational Safety and Health Administration- Permissible Exposure Limit.
ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value.
AIHA WEEL: American Industrial Hygiene Association - Workplace Environmental Exposure Level.
Abbott EEL: Abbott Laboratories Employee Exposure Limit.
TWA: 8-hour Time Weighted Average.
STEL: 15-minute Short Term Exposure Limit.
C: Ceiling Limit.

3. HAZARDS IDENTIFICATION

Emergency Overview:

White to slightly off-white aqueous emulsion.

Odorless.

Expected to have a low hazard potential. Rare cases of self-injection have been reported to cause death.

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Routes of Exposure:

Oral: Unlikely
Dermal: Unlikely
Inhalation: Unlikely

Hazard Information:

Ingestion Rating: Not determined.
Skin Absorption Rating: Not determined.
Inhalation Rating: Not determined.
Corrosiveness Rating: Not determined.
Skin Contact Rating: Not determined.
Skin Sensitization Rating: Not determined.
Eye Contact Rating: Not determined.
Target Organs: Respiratory System , Cardiovascular System , Nervous System .

Carcinogenicity Rating:

Ingredients	Percent	OSHA:	NTP:	IARC:	ACGIH:
2,6-Diisopropylphenol	1	Not Listed	Not Listed	Not Listed	Not Listed
Water	85 - 86	Not Listed	Not Listed	Not Listed	Not Listed
Soybean Oil	10	Not Listed	Not Listed	Not Listed	Not Listed
Glycerol	2 - 3	Not Listed	Not Listed	Not Listed	Not Listed
Egg Phosphatide	1 - 2	Not Listed	Not Listed	Not Listed	Not Listed

NFPA Rating: Not determined.

Health: 0
Fire: 0
Reactivity: 0

Signs and Symptoms: No signs and symptoms from occupational exposure are known. Clinical data suggests the following: headaches, vomiting, nausea, slow heart rate, decreased blood pressure, sedation, anaphylatic reactions, sleep. Similar product: Injection in normal volunteers produced psychoactive effects that could be construed as pleasant.

Medical Conditions Aggravated by Exposure: No medical conditions aggravated by occupational exposure are known. Clinical data suggests any pre-existing ailments of the following organs: respiratory system, central nervous system, cardiovascular system. Hypersensitivity to the material and/or similar materials.

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.

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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.

Notes To Physician: Monitor central nervous system and cardiovascular function, as necessary.

5. FIRE FIGHTING MEASURES

FLAMMABILITY:

Lower Explosive Limit: Not determined.
Autoignition Temp. (°C): Not determined.

FIRE-FIGHTING INFORMATION:

Suitable Extinguishing Media: Use appropriate medium for the underlying cause of the fire.

Special Protective Equipment: Wear protective clothing and self-contained breathing apparatus.

Special Exposure Hazards: Avoid inhalation of combustion products.

6. ACCIDENTAL RELEASE MEASURES

Methods of Cleaning and Collecting: Clean up promptly. Absorb with suitable material. Recover product. Place into appropriate container for disposal. Clean area with suitable cleaning materials. Dispose of as directed in Section 13.

Personal Precautions: Use personal protective equipment identified in Section 8.

Environmental Precautions: Not determined.

7. HANDLING AND STORAGE

Handling: Handle according to label instructions.

Storage: Store according to label instructions.

Special Precautions: Should not be used beyond the indicated expiration date.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: No special provisions are required under normal product use conditions.

Respiratory Protection: Respiratory protection is not needed during normal product use.

Eyes: Eye protection not required during typical product use conditions. Wear eye protection appropriate to handling activities.

Gloves: If skin contact is anticipated: Impervious gloves.

Other PPE Data: Not determined.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to slightly off-white aqueous emulsion.
Odor: Odorless.
Boiling Pt. @ 760 mm Hg (°C): Not determined.
Melting/Freezing Point: Not determined.
Vapor Pressure (mm Hg) Not determined.
Bulk Density at 20°C: 0.996 g/mL
Solubility: Slightly soluble in: water (11.2 grams/l)
Specific Gravity: Not determined.
pH: 6.0 - 8.5
Viscosity (centipoise): 1.54 cps at 25 deg. C

10. STABILITY AND REACTIVITY

Chemical Stability: Stable from a safety point of view.
Self-Heating Tendency: Not determined.
Materials to Avoid: Oxidizers.
Hazardous Decomposition Products: Not determined.
Hazardous Polymerization: Not known to occur.
Conditions to Avoid: Not determined.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Oral: LD50 not determined for product. Data for component (s) given below.

Ingredients	Percent	Acute Test	Value	Units	Species
2,6-Diisopropylphenol	1	LD50 =	518-1230	mg/kg	Rats Mice
Glycerol	2 - 3	LD50 >	4090	mg/kg	Animals

Acute Toxicity - Dermal: LD50 not determined for product. Data for component (s) given below.

Ingredients	Percent	Acute Test	Value	Units	Species
2,6-Diisopropylphenol	1	LD50 >	2000	mg/kg	Rabbits
Glycerol	2 - 3	LD50 >	10,000	mg/kg	Rabbits

Acute Toxicity - Inhalation: LC50 not determined for product. Data for component (s) given below.

Ingredients	Percent	Test	Value	Units	Species
Glycerol	2 - 3	LC 50 >	0.57	mg/L , 1 hour	Rats

Corrosivity: Not determined.

Dermal Irritation: Not determined for product. Active Ingredient : Reported to produce skin irritation in humans. Minor ingredient: Produced mild skin irritation in rabbits.

Eye Irritation: Not determined for product. Active Ingredient : Produced mild eye irritation in animal testing. Minor ingredient: Reported to produce eye irritation.

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Sensitization: Not determined.

Target Organ Effects: Not determined for this mixture. Active Ingredient : In clinical use target organ effects include: central nervous system.

In clinical use, propofol depresses the central nervous system with the rapid induction of anesthesia. Anesthesia is of short duration. Sedative doses can elicit psychoactive effects that could be construed as pleasant. In large amounts, glycerol has potential to produce and increase in urine output and cause hemolysis due to changes in osmolality.

Reproductive Effects: Not determined.

Carcinogenicity: Not determined.

Mutagenicity: Not determined. Active Ingredient : Negative in the Ames test. Minor Ingredient : Negative in mutagenicity assays.

Ingredients	Percent	Ames Test:	Mouse Lymphoma Assay	Micronucleus Assay	Chromosomal Abbr. Assay
2,6-Diisopropylphenol	1	Negative	No Data.	Negative	No Data.
Glycerol	2 - 3	Negative	No Data.	No Data.	No Data.

Notes:

1. ALD: Approximate lethal dosage
2. LC50: Concentration in air that produces 50% mortality
3. LD50: Oral or dermal dosage that produces 50% mortality

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Not determined.

Biodegradation: Not determined.

General Notes: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

Notes:

1. EC50: Concentration in water that produces 50% mortality in *Daphnia* sp.
2. LC50: Concentration in water that produces 50% mortality in fish.
3. EbC50/ErC50: Concentration in water that produces 50% inhibition of growth and in algae.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: All waste must be packaged, labeled, transported and disposed of in conformance with applicable local, state, and federal laws and regulations and in accordance with good engineering practices. This material is not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

DOT:
Status: Not Regulated.

ICAO/IATA:

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IMDG:
Status: Not Regulated.

TDG (Canada):
Status: Not Regulated.

15. REGULATORY INFORMATION

SARA 313 Information

Ingredients	Percent	SARA 313 Chemical:	CERCLA RQ/SARA EHS RQ (lbs):	SARA EHS TPQ (lbs):
2,6-Diisopropylphenol	1	No	Not Applicable	Not applicable
Water	85 - 86	No	Not Applicable	Not applicable
Soybean Oil	10	No	Not Applicable	Not applicable
Glycerol	2 - 3	No	Not Applicable	Not applicable
Egg Phosphatide	1 - 2	No	Not Applicable	Not applicable

SARA 311/312 Hazard Categories:

Immediate Health: No
Delayed Health: No
Fire: No
Sudden Pressure: No
Reactivity: No

TSCA Inventory Status: Exempt.

CERCLA Status: Not determined.

RCRA Status: Not a RCRA Hazardous Waste.

Proposition 65 Status: Does not contain chemicals known to the state of California to cause cancer or reproductive harm.

EC HAZARD CLASSIFICATION:

Category of Danger: None

Indication of danger: None
ICH Classification: Not determined.

CANADIAN REGULATIONS:

Canadian Inventory: Not determined.
Canadian NDSL: Not determined.
WHMIS Hazard Class: Not determined.

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Notes:

1. SARA = Superfund Ammendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act.
3. FIFRA = Federal Insectacide, Fungicide and Rodenticide Act.
4. TSCA = Toxic Substances Control Act.
5. EC = European Community.
6. WHMIS = Canadian Workplace Hazardous Materials Information System.
7. UN GHS = United Nations Globally Harmonized System for Hazard Identification.

16. OTHER INFORMATION

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