

SAFETY DATA SHEETS

This SDS packet was issued with item:

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N/A

**PENTOBARBITAL SODIUM
PHENYTOIN SODIUM****SECTION 1: IDENTIFICATION**

Product Identifier: Euthanasia Solution

Material Name: Pentobarbital Sodium, Phenytoin Sodium
A schedule III controlled drug

Recommended Use: For use in dogs for humane, painless and rapid euthanasia.

Restrictions on Use: For use in dogs only.

Manufacturer: **MED-PHARMEX INC.**
2727 Thompson Creek Road
Pomona, CA 91767

Business Hours: 8:30 a.m. to 5:00 p.m. Pacific Time Monday thru Friday

Telephone Number: 909-593-7875

Emergency Telephone: If over exposure occurs call your poison control center at
1-800-222-1222 ... Human Poison Control Center
1-888-426-4435 ... ASPCA Poison Control Center

SECTION 2: HAZARD(S) IDENTIFICATION

DANGER!
Harmful if ingested.
Poison: Keep out of reach of children.
Avoid contact with eyes, skin or clothing.

Product Description: Clear, pink liquid with a slight odor.

Classification of the Substance or Mixture: A schedule III controlled drug used for euthanasia in animals.

Signal Word: **WARNING**

Hazard statement(s): This product is toxic to wildlife. Birds and mammals feeding on euthanized animals may be killed. Euthanized animals must be properly disposed of by deep burial, incineration or other method in compliance with state and local laws, to prevent consumption of carcass material by scavenging wildlife. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement(s): Caution should be exercised to avoid contact of the drug with open wounds or accidental self-inflicted injections. Keep out of reach of children. If eye contact, flush eyes with water and seek medical attention. Wash contaminated clothing before reuse.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration
Pentobarbital Sodium	57-33-0	390 mg/ml
Phenytoin Sodium	630-93-3	50 mg/ml
Ethyl Alcohol	64-17-5	10%
Propylene Glycol	57-55-6	18%

Other Inactive Ingredients: Rhodamine B, Benzyl alcohol, purified water QS, Sodium hydroxide and/or hydrochloric acid may be added to adjust pH.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures:

- In case of eye contact:** Immediately flush eyes with plenty of water for about 15 minutes. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a physician.
- In case of ingestion:** Rinse mouth and have the victim drink plenty of water to dilute the alcohol content. Consult a physician or poison control center immediately.
- In case of skin contact:** While wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a physician .
- In case of inhalation:** Immediately remove the victim to fresh air. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a physician.

SECTION 5: FIRE FIGHTING MEASURES

- Suitable Extinguishing Media:** CO₂, Dry Chemical, Water, and Water Spray.
- Unsuitable Extinguishing Media:** No Data Available
- Flammable Properties and Hazards:** Under normal conditions of use this material does not present a significant fire or explosion hazard.
- Flash Pt:** No Data Available
- Explosive Limits:** No Data Available
- Autoignition Pt:** No Data Available
- Fire Fighting Instructions:** Fight fire from a safe distance or protected location. Use water spray to keep containers and equipment cool. Wear full protective equipment including self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Do not let product enter drains, sewers, watercourses, soil or vegetation.

Protective Precautions, Protective Equipment and Emergency Procedures:

Pentobarbital Sodium is a physiologically active drug substance, it is toxic if ingested.

Methods and Material for Containment and Clean Up: Squeegee, sweep, scoop, or vacuum up spill. Minimize contact with spilled material. Keep other personnel away from the clean up area. Wear appropriate respiratory protection and protective clothing in the spill area. Notify your supervisor immediately. Clean area with a wet mop. Dispose of spilled material and clean up materials as given in Waste Disposal Methods below.

Waste Disposal Methods: Material should be disposed in accordance with federal, state and local regulations for DEA Schedule III controlled substances.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Wash hands and any exposed skin after handling and before eating, drinking or smoking. Keep away from children.

Conditions for safe storage, including any incompatibilities: Store between 15-30°C (59-86°F) in a dry, well ventilated area per label instructions. Store away from ignition sources.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data is sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.

Ventilation And Engineering Controls: Use with adequate ventilation. Follow standard medical product handling procedures. During decontamination of work surfaces, workers should wear the same equipment recommended in Section 6 (Accidental Release Measures) of this SDS.

Personal Protection Equipment:

Eye Protection: Not normally needed during normal use. Use of safety glasses with side shields, goggles or full face protection may be required based on hazard, potential for contact, or level of exposure.

Protection Gloves: For situations in which prolonged skin contact is anticipated gloves that provide an appropriate barrier to the skin are recommended if there is potential for contact with this material.

Respiratory Protection: A respirator is not required for routine conditions of use of this product. Respiratory protective equipment (RPE) may be required for certain laboratory and large-scale manufacturing tasks if potential airborne breathing zone concentrations of substances exceed the relevant exposure limit(s). Workplace risk assessment should be completed before specifying and implementing RPE usage. If respiratory protection is needed, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, or Canadian CSA Standard Z94.4-02.

Protective Clothing: During patient administration, use of lightweight cotton gown or other medical attire is recommended. In small-scale or laboratory operations, lab coats or equivalent protection is required. Disposable Tyvek or other dust impermeable suit should be considered based on procedure or level of exposure. Use of additional PPE such as shoe coverings, gauntlets, hood, or head covering may be necessary. Consult your site safety staff for guidance.

Work/Hygienic/Maintenance Practices: Train employees concerning hazards and precautions. Provide adequate exhaust ventilation. Wash hands and forearms after each use. Use indicated protective equipment while handling. Change respirator cartridges after four hours of continuous use or upon detection of an increase in breathing resistance or eye or nasal irritation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties:

Appearance and Color: Clear, Pink Solution with slight odor.

Physical States: Liquid

Melting Point: No Data Available

Flash Point: No Data Available

Explosive Limits: No Data Available

Vapor Density: No Data Available

Solubility in Water: No Data Available

Autoignition Point: No Data Available

Percent Volatile: No Data Available

Boiling Point: No Data Available

Evaporation Rate: No Data Available

Vapor Pressure: No Data Available

Specific Gravity: No Data Available

Solubility Notes: No Data Available

Other Information: No Data Available

Molecular Formula & Weight: No Data Available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions and recommended storage conditions.

Reactivity: No data available

Possibility of Hazardous Reactions: No data available

Conditions to Avoid: Open flames and high temperatures.

Incompatibility: No Data Available

Materials to Avoid: Oxidizing agents

Hazardous Decomposition products: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

Harmful if swallowed. Call a Physician and contact nearest Poison Control Center.

This product May cause skin irritation. May cause eye irritation.

The toxicological properties of the mixture(s) have not been fully characterized in humans or animals. Therefore, laboratory or process control systems and appropriate work practices should be in place to minimize the potential for inhalation exposure, skin contact, eye contact, or ingestion when working with this material.

Carcinogenicity: No Data Available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Warning: This product is toxic to wildlife. Birds and mammals feeding on treated animals may be killed. Euthanized animals must be properly disposed of by deep burial, incineration or other method in compliance with state and local laws, to prevent consumption of carcass material by scavenging wildlife.

SECTION 13: Disposal considerations

Waste Disposal Methods: Material should be disposed in accordance with federal, state and local regulations for DEA Schedule III controlled substances.

SECTION 14: Transport information

Transport: This material is not subject to the transportation regulations of DOT, IATA, IMO, and the ADR.

SECTION 15: Regulatory information

Regulatory Information Statement: No Data Available.

SECTION 16: OTHER INFORMATION

Last Revision Date: January 1, 2015

Disclaimer: The information contained in this Safety Data Sheet is provided in good faith and is accurate to the best of our knowledge. However, the manufacturer assumes no warranties expressed or implied. Users of these products are advised to verify that the information is suitable to their particular purposes prior to their use of them.

**PENTOBARBITAL SODIUM
PHENYTOIN SODIUM****SECTION 1: IDENTIFICATION**

Product Identifier: Euthanasia-III Solution

Material Name: Pentobarbital Sodium, Phenytoin Sodium
A schedule III controlled drug

Recommended Use: For use in dogs for humane, painless and rapid euthanasia.

Restrictions on Use: For use in dogs only.

Manufacturer: **MED-PHARMEX INC.**
2727 Thompson Creek Road
Pomona, CA 91767

Business Hours: 8:30 a.m. to 5:00 p.m. Pacific Time Monday thru Friday

Telephone Number: 909-593-7875

Emergency Telephone: If over exposure occurs call your poison control center at
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1-888-426-4435 ... ASPCA Poison Control Center

SECTION 2: HAZARD(S) IDENTIFICATION

DANGER!
Harmful if ingested.
Poison: Keep out of reach of children.
Avoid contact with eyes, skin or clothing.

Product Description: Clear, pink liquid with a slight odor.

Classification of the Substance or Mixture: A schedule III controlled drug used for euthanasia in animals.

Signal Word: **WARNING**

Hazard statement(s): This product is toxic to wildlife. Birds and mammals feeding on euthanized animals may be killed. Euthanized animals must be properly disposed of by deep burial, incineration or other method in compliance with state and local laws, to prevent consumption of carcass material by scavenging wildlife. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement(s): Caution should be exercised to avoid contact of the drug with open wounds or accidental self-inflicted injections. Keep out of reach of children. If eye contact, flush eyes with water and seek medical attention. Wash contaminated clothing before reuse.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration
Pentobarbital Sodium	57-33-0	390 mg/ml
Phenytoin Sodium	630-93-3	50 mg/ml
Ethyl Alcohol	64-17-5	10%
Propylene Glycol	57-55-6	18%

Other Inactive Ingredients: Rhodamine B, Benzyl alcohol, purified water QS, Sodium hydroxide and/or hydrochloric acid may be added to adjust pH.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures:

- In case of eye contact:** Immediately flush eyes with plenty of water for about 15 minutes. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a physician.
- In case of ingestion:** Rinse mouth and have the victim drink plenty of water to dilute the alcohol content. Consult a physician or poison control center immediately.
- In case of skin contact:** While wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a physician .
- In case of inhalation:** Immediately remove the victim to fresh air. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a physician.

SECTION 5: FIRE FIGHTING MEASURES

- Suitable Extinguishing Media:** CO₂, Dry Chemical, Water, and Water Spray.
- Unsuitable Extinguishing Media:** No Data Available
- Flammable Properties and Hazards:** Under normal conditions of use this material does not present a significant fire or explosion hazard.
- Flash Pt:** No Data Available
- Explosive Limits:** No Data Available
- Autoignition Pt:** No Data Available
- Fire Fighting Instructions:** Fight fire from a safe distance or protected location. Use water spray to keep containers and equipment cool. Wear full protective equipment including self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Do not let product enter drains, sewers, watercourses, soil or vegetation.

Protective Precautions, Protective Equipment and Emergency Procedures:

Pentobarbital Sodium is a physiologically active drug substance, it is toxic if ingested.

Methods and Material for Containment and Clean Up: Squeegee, sweep, scoop, or vacuum up spill. Minimize contact with spilled material. Keep other personnel away from the clean up area. Wear appropriate respiratory protection and protective clothing in the spill area. Notify your supervisor immediately. Clean area with a wet mop. Dispose of spilled material and clean up materials as given in Waste Disposal Methods below.

Waste Disposal Methods: Material should be disposed in accordance with federal, state and local regulations for DEA Schedule III controlled substances.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Wash hands and any exposed skin after handling and before eating, drinking or smoking. Keep away from children.

Conditions for safe storage, including any incompatibilities: Store between 15-30°C (59-86°F) in a dry, well ventilated area per label instructions. Store away from ignition sources.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data is sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.

Ventilation And Engineering Controls: Use with adequate ventilation. Follow standard medical product handling procedures. During decontamination of work surfaces, workers should wear the same equipment recommended in Section 6 (Accidental Release Measures) of this SDS.

Personal Protection Equipment:

Eye Protection: Not normally needed during normal use. Use of safety glasses with side shields, goggles or full face protection may be required based on hazard, potential for contact, or level of exposure.

Protection Gloves: For situations in which prolonged skin contact is anticipated gloves that provide an appropriate barrier to the skin are recommended if there is potential for contact with this material.

Respiratory Protection: A respirator is not required for routine conditions of use of this product. Respiratory protective equipment (RPE) may be required for certain laboratory and large-scale manufacturing tasks if potential airborne breathing zone concentrations of substances exceed the relevant exposure limit(s). Workplace risk assessment should be completed before specifying and implementing RPE usage. If respiratory protection is needed, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, or Canadian CSA Standard Z94.4-02.

Protective Clothing: During patient administration, use of lightweight cotton gown or other medical attire is recommended. In small-scale or laboratory operations, lab coats or equivalent protection is required. Disposable Tyvek or other dust impermeable suit should be considered based on procedure or level of exposure. Use of additional PPE such as shoe coverings, gauntlets, hood, or head covering may be necessary. Consult your site safety staff for guidance.

Work/Hygienic/Maintenance Practices: Train employees concerning hazards and precautions. Provide adequate exhaust ventilation. Wash hands and forearms after each use. Use indicated protective equipment while handling. Change respirator cartridges after four hours of continuous use or upon detection of an increase in breathing resistance or eye or nasal irritation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties:

Appearance and Color: Clear, Pink Solution with slight odor.

Physical States: Liquid

Melting Point: No Data Available

Flash Point: No Data Available

Explosive Limits: No Data Available

Vapor Density: No Data Available

Solubility in Water: No Data Available

Autoignition Point: No Data Available

Percent Volatile: No Data Available

Boiling Point: No Data Available

Evaporation Rate: No Data Available

Vapor Pressure: No Data Available

Specific Gravity: No Data Available

Solubility Notes: No Data Available

Other Information: No Data Available

Molecular Formula & Weight: No Data Available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions and recommended storage conditions.

Reactivity: No data available

Possibility of Hazardous Reactions: No data available

Conditions to Avoid: Open flames and high temperatures.

Incompatibility: No Data Available

Materials to Avoid: Oxidizing agents

Hazardous Decomposition products: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

Harmful if swallowed. Call a Physician and contact nearest Poison Control Center.

This product May cause skin irritation. May cause eye irritation.

The toxicological properties of the mixture(s) have not been fully characterized in humans or animals. Therefore, laboratory or process control systems and appropriate work practices should be in place to minimize the potential for inhalation exposure, skin contact, eye contact, or ingestion when working with this material.

Carcinogenicity: No Data Available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Warning: This product is toxic to wildlife. Birds and mammals feeding on treated animals may be killed. Euthanized animals must be properly disposed of by deep burial, incineration or other method in compliance with state and local laws, to prevent consumption of carcass material by scavenging wildlife.

SECTION 13: Disposal considerations

Waste Disposal Methods: Material should be disposed in accordance with federal, state and local regulations for DEA Schedule III controlled substances.

SECTION 14: Transport information

Transport: This material is not subject to the transportation regulations of DOT, IATA, IMO, and the ADR.

SECTION 15: Regulatory information

Regulatory Information Statement: No Data Available.

SECTION 16: OTHER INFORMATION

Last Revision Date: January 1, 2015

Disclaimer: The information contained in this Safety Data Sheet is provided in good faith and is accurate to the best of our knowledge. However, the manufacturer assumes no warranties expressed or implied. Users of these products are advised to verify that the information is suitable to their particular purposes prior to their use of them.

MATERIAL SAFETY DATA SHEET

EUTHANASIA-III

COMPANY AND PRODUCT INFORMATION

MANUFACTURER: MED-PHARMEX, INC.
2727 Thompson Creek Road
Pomona California 91767

PHONE: (909) 593-7875
8:30 a.m. To 5:00 p.m. (Pacific Time) Monday thru Friday

PRODUCT: EUTHANASIA-III

CAS NUMBER: Not Established

CHEMICAL FAMILY: N/A

CHEMICAL FORMULA: N/A

HAZARD RATING:

Health: 1 Slight Fire: 1 Slight Reactivity: 0 Negligible

SPECIAL HAZARDS: A schedule III controlled drug.

CHEMICAL COMPONENTS

Component CAS NO.	% of Mixture	OSHA PEL	ACGIH TLV
Benzyl Alcohol 100-51-6	2.0	None	None
Ethyl Alcohol 64-17-5	10.0	1000 ppm	1000 ppm
Pentobarbital Sodium 57-33-0	.4	None	None
Phenytoin Sodium 630-93-3	.05	None	None
Propylene Glycol 57-55-6	18.0	None	None

PHYSICAL DATA

Boiling Point (deg C): N/A
Melting Point (deg C): N/A
Vapor Pressure: N/A
Specify Gravity: N/A
Solubility (H2O): N/A
Percent Volatiles: N/A
Evaporation Rate: N/A
Appearance: Clear, Pink Solution.

FIRE FIGHTING & EXPLOSION DATA

Flash point (deg F): N/A
Autoignition (deg F): N/A
Lower Explosive Limit (%): N/A
Upper Explosive Limit (%): N/A

Fire and Explosion Hazards: Under normal conditions of use this material does not present a significant fire or explosion hazard.

Extinguishing Media: CO₂, Dry Chemical, Water, and Water Spray.

Special Fire Fighting Instructions: Fight fire from a safe distance or protected location. Use water spray to keep containers and equipment cool. Wear full protective equipment including self-contained breathing apparatus (SCBA).

EXPOSURE AND EFFECTS

INHALATION: This product contains materials at greater than one percent which, if undiluted, have the following health effects upon inhalation: May be irritating to mucous membranes. Can cause sleepiness, mental confusion, unsteadiness, comes with slow, shallow respiration, flaccid muscles, hypertension, cyanosis, hypothermia or hyperthermia, and absent reflexes.

FIRST AID: Remove from exposure. If breathing is feeble or ceases, give cardiopulmonary resuscitation. Obtain medical attention.

SKIN: This product contains materials greater than one percent which, if undiluted, have the following health effects upon skin contact: May be irritating to the skin.

FIRST AID: Remove contaminated clothing. Thoroughly wash exposed area with soap and water. Obtain medical attention.

EYES: This product contains materials at greater than one percent which, if undiluted, have the following health effects upon eye contact: May be irritating to the eyes

FIRST AID: Flush with water for at least 15 minutes. Obtain medical attention.

INGESTION: This product contains materials at greater than one percent which, if undiluted, have the following health effects upon ingestion: Can cause sleepiness, mental confusion, unsteadiness, come with slow, shallow respiration, flaccid muscles, hypotension, cyanosis, hypothermia or hyperthermia, and absent reflexes.

FIRST AID: Give copious amounts of water and induce vomiting, if conscious. Obtain medical attention.

MISCELLANEOUS TOXICOLOGICAL INFORMATION: Pentobarbital Sodium is a physiologically active drug substance, it is toxic if ingested.

REACTIVITY & POLYMERIZATION

Stability: Stable.

Conditions To Avoid (Stability): Avoid open flame and high temperatures.

Hazardous Decomposition Products: CO & CO₂

Hazardous Polymerization: Will not occur.

SPILL, LEAK, & DISPOSAL PROCEDURES

Steps To Be Taken In The Event Of Spills, Leaks, Or Release: Squeegee, sweep, scoop, or vacuum up spill. Minimize contact with spilled material. Keep other personnel away from the clean up area. Wear appropriate respiratory protection and protective clothing in the spill area. Notify your supervisor immediately. Clean area with a wet mop. Dispose of spilled material and clean up materials as given in Waste Disposal Methods below.

Waste Disposal Methods: While not considered a hazardous waste, material should be disposed of in the presence of a DEA representative.

SPECIAL PROTECTIVE MEASURES

Ventilation: Provide adequate local exhaust ventilation when handling bulk material.

Eye Protection: Splash goggles/safety glasses when handling bulk material.

Skin Protection: Gloves- Latex or better and lab coat or uniform when handling bulk material.

Respiratory Protection: None usually required. Use a half-mask respirator with HEPA cartridges for the material in bulk.

Work/Hygienic Practices: Train employees concerning hazards and precautions. Provide adequate exhaust ventilation. Wash hands and forearms after each use. Use indicated protective equipment while handling. Change respirator cartridges after four hours of continuous use or upon detection of an increase in breathing resistance or eye or nasal irritation.

SPECIAL PRECAUTIONS

Storage & Handling: Store in a cool, dry, well ventilated area.

Disclaimer of Expressed and Implied Warranties: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).