



# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078948386

N/A

<b>SECTION 1: IDENTIFICATION</b>	
<b>1.1 Product identifier</b>	
<b>Product name</b>	Euthaphen C-III Solution
<b>Chemical name</b>	Phenytoin sodium and Pentobarbital sodium
<b>Synonyms</b>	Euthanasia Solution
<b>Proper shipping name</b>	Toxic, liquids, organic, n.o.s. (contains pentobarbital sodium)
<b>Chemical formula</b>	Not Applicable
<b>Other means of identification</b>	Not Available
<b>1.2 Recommended use of the chemical and restrictions on use</b>	
<b>Relevant identified uses</b>	For use in dogs for humane, painless, and rapid euthanasia
<b>1.3 Details of the supplier of the substance or mixture</b>	
<b>Registered company name (US)</b>	Dechra Veterinary Products
<b>Address</b>	7015 College Blvd Suite 525 Overland Park, KS 66211 USA
<b>Telephone</b>	866-933-2472
<b>Fax</b>	Not Available
<b>Email</b>	Not Available
<b>1.4 Emergency telephone numbers</b>	
<b>Dechra (US)</b>	866-933-2472

<b>SECTION 2: HAZARD(S) IDENTIFICATION</b>	
<b>2.1 Classification of the substance or mixture</b>	
<p>NFPA 704 diamond</p>  <p>Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)</p>	
<b>Classification</b>	Acute Toxicity (Oral) Category 3, Skin Corrosion/Irritation Category 2, Sensitization (Skin) Category 1, Serious Eye Damage/Eye Irritation Category 2A, Carcinogenicity Category 2, Reproductive Toxicity Category 2, Specific Target Organ Toxicity - Repeated Exposure Category 2, Hazardous to the Aquatic Environment Long-Term Hazard Category 3
<b>2.2 Label elements</b>	
<b>Hazard pictogram(s)</b>	
<b>Signal word</b>	<b>Danger</b>
<b>Hazard statement(s)</b>	
<b>H301</b>	Toxic if swallowed.
<b>H315</b>	Causes skin irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H319</b>	Causes serious eye irritation.
<b>H351</b>	Suspected of causing cancer.
<b>H361</b>	Suspected of damaging fertility or the unborn child.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>Hazard(s) not otherwise classified</b>	
Not Applicable	
<b>Precautionary statement(s) Prevention</b>	
<b>P201</b>	Obtain special instructions before use.
<b>P260</b>	Do not breathe mist/vapors/spray.
<b>P264</b>	Wash all exposed external body areas thoroughly after handling.
<b>P270</b>	Do not eat, drink, or smoke when using this product.
<b>P280</b>	Wear protective gloves, protective clothing, eye protection and face protection.
<b>P261</b>	Avoid breathing mist/vapors/spray.
<b>P273</b>	Avoid release to the environment.
<b>P202</b>	Do not handle until all safety precautions have been read and understood.
<b>P272</b>	Contaminated work clothing must not be allowed out of the workplace.
<b>Precautionary statement(s) Response</b>	
<b>P301+P310</b>	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider.
<b>P308+P313</b>	IF exposed or concerned: Get medical advice/ attention.
<b>P330</b>	Rinse mouth.
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P314</b>	Get medical advice/attention if you feel unwell.
<b>P333+P313</b>	If skin irritation or rash occurs: Get medical advice/attention.
<b>P337+P313</b>	If eye irritation persists: Get medical advice/attention.
<b>P302+P352</b>	IF ON SKIN: Wash with plenty of water.
<b>P332+P313</b>	If skin irritation occurs: Get medical advice/attention.

<b>P362+P364</b>	Take off contaminated clothing and wash it before reuse.
<b>Precautionary statement(s) storage</b>	
<b>P405</b>	Store locked up.
<b>Precautionary statement(s) disposal</b>	
<b>P501</b>	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substances

See section above for composition of Mixtures.

#### 3.2 Mixtures

CAS No.	% [weight]	Name
57-33-0	30-40	pentobarbital sodium
57-55-6	10-20	propylene glycol
64-17-5	1-10	ethanol
630-93-3	1-5	phenytoin sodium
100-51-6	1-5	benzyl alcohol
Not Available	balance	Ingredients determined not to be hazardous

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

<b>Eye contact</b>	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.
<b>Skin contact</b>	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.
<b>Inhalation</b>	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.
<b>Ingestion</b>	Rinse mouth and have the victim drink plenty of water to dilute the alcohol content. Consult a physician or poison control center immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

See section 11.

#### 4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

Any material aspirated during vomiting may produce lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. Mechanical means should be used if it is considered necessary to evacuate the stomach contents; these include gastric lavage after endotracheal intubation. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable media include alcohol stable foam, dry chemical powder, BCF (where regulation permits), carbon dioxide. Use water spray or fog for large fires only.

#### 5.2 Special hazards arising from the substance or mixture

<b>Fire incompatibility</b>	Avoid contamination with oxidising agents i.e., nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.
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#### 5.3 Special protective actions for fire-fighters:

<b>Firefighting</b>	Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
<b>Fire / explosion hazard</b>	Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide. May emit acrid smoke. Mists containing combustible materials may be explosive. Combustion products include: carbon monoxide, carbon dioxide, nitrogen oxides, other pyrolysis products typical of burning organic material. May emit poisonous fumes.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Pentobarbital sodium is a physiological active drug substance. It is toxic if ingested. See Section 8.

#### 6.2 Environmental precautions

Do not let product enter drains, sewers, watercourses, soil, or vegetation. See Section 12.

#### 6.3 Methods and material for containment and cleaning up

<b>Minor spills</b>	Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapors and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.
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<b>Major spills</b>	Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Neutralize/decontaminate residue. Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains.
Personal Protective Equipment advice is contained in Section 8 of the SDS.	

## SECTION 7: HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>	
<b>Safe handling</b>	<b>DO NOT allow clothing wet with material to stay in contact with skin.</b> Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. <b>DO NOT enter confined spaces until atmosphere has been checked. DO NOT allow material to contact humans, exposed food or food utensils.</b> Avoid contact with incompatible materials. <b>When handling, DO NOT eat, drink, or smoke.</b> Keep containers securely sealed when not in use. Avoid physical damage to containers. Observe manufacturer's storage and handling recommendations contained within this SDS.
<b>Other information</b>	Store in original containers.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Suitable container</b>	Store between 15-30°C (59-86°F) in a dry, well-ventilated area per label instructions.
<b>Storage incompatibility</b>	Store away from ignition sources.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>8.1 Control parameters</b>						
<b>Occupational exposure limits (OEL)</b>						
INGREDIENT DATA						
<b>Source</b>	<b>Ingredient</b>	<b>Material name</b>	<b>TWA</b>	<b>STEL</b>	<b>Peak</b>	<b>Notes</b>
US OSHA Permissible Exposure Limits (PELs) Table Z-1	ethanol	Ethyl alcohol (Ethanol)	1000 ppm / 1900 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	ethanol	Ethyl alcohol	1000 ppm / 1900 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
<b>Emergency limits</b>						
<b>Ingredient</b>	<b>TEEL-1</b>	<b>TEEL-2</b>	<b>TEEL-3</b>			
propylene glycol	30 mg/m <sup>3</sup>	1,300 mg/m <sup>3</sup>	7,900 mg/m <sup>3</sup>			
ethanol	Not Available	Not Available	15000 ppm*			
benzyl alcohol	30 ppm	52 ppm	740 ppm			
<b>Ingredient</b>	<b>Original IDLH</b>		<b>Revised IDLH</b>			
pentobarbital sodium	Not Available		Not Available			
propylene glycol	Not Available		Not Available			
ethanol	3,300 ppm		Not Available			
phenytoin sodium	Not Available		Not Available			
benzyl alcohol	Not Available		Not Available			
<b>Occupational Exposure Banding</b>						
<b>Ingredient</b>	<b>Occupational Exposure Band Rating</b>	<b>Occupational Exposure Band Limit</b>				
pentobarbital sodium	E	≤ 0.01 mg/m <sup>3</sup>				
propylene glycol	E	≤ 0.1 ppm				
phenytoin sodium	E	≤ 0.01 mg/m <sup>3</sup>				
benzyl alcohol	E	≤ 0.1 ppm				
<b>Notes:</b> Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.						
<b>MATERIAL DATA</b>						
<b>8.2 Exposure controls</b>						
<b>Appropriate engineering controls</b>	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 of this SDS.					
<b>Personal protection</b>						
<b>Eye and face protection</b>	For laboratory, larger scale or bulk handling or where regular exposure in an occupational setting occurs, use Chemical goggles and face shield. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.					
<b>Skin protection</b>	See Hand protection below.					
<b>Hands/feet protection</b>	Use elbow length PVC gloves. The material may produce skin sensitization in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact. Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed. For situations in which prolonged skin contact is anticipated gloves that provide an appropriate barrier to the skin are recommended to avoid contact with this material.					

<b>Body protection</b>	See Other protection below
<b>Other protection</b>	Prior to removing protective garments, the employee should undergo decontamination and be required to shower upon removal of the garments and hood. For quantities up to 500 g a laboratory coat may be suitable. For quantities up to 1 kg a disposable laboratory coat or coverall of low permeability is recommended. Coveralls should be buttoned at collar and cuffs. For quantities over 1 kg and manufacturing operations, wear disposable coverall of low permeability and disposable shoe covers. For manufacturing operations, air-supplied full body suits may be required for the provision of advanced respiratory protection. Eye wash unit. Ensure there is ready access to an emergency shower. For Emergencies: Vinyl suit
<b>Respiratory protection</b>	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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance: Clear pink solution Physical state: Liquid Odor: Slight odor Odor threshold: Not Available pH (as supplied): Not Available Melting point / freezing point (°C): Not Available Initial boiling point and boiling range: Not Available Flash point (°C): Not Available Evaporation rate: Not Available Flammability: Not Available Upper/lower flammability or explosive limits: Not Available Vapor pressure: Not Available Relative density (Water = 1): Not Available Solubility in water (mg/l): Not Available	Vapor density: Not Available Auto ignition temperature (°C): Not Available Decomposition temperature (°C): Not Available Viscosity (°C): Not Available Explosive properties: Not Available Oxidizing properties: Not Available Partition coefficient: Not Available Molecular weight: Not Available Taste: Not Available Surface tension: Not Available Volatile component (%vol): Not Available Gas group: Not Available pH as a solution: Not Available VOC g/L: Not Available Specific gravity @ 20 °C (water = 1): Not Available
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## 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	See Section 7
<b>Chemical stability</b>	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerization will not occur.
<b>Possibility of hazardous reactions</b>	See Section 7
<b>Conditions to avoid</b>	Open flames and high temperatures
<b>Incompatible materials</b>	See Section 7
<b>Hazardous composition</b>	See Section 5

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<b>Inhalation</b>	Inhalation of vapors or aerosols (mists, fumes), generated by the material during the course of normal handling, may produce serious damage to the health of the individual.
<b>Ingestion</b>	Accidental ingestion of the material may be damaging to individual's health.
<b>Skin contact</b>	Evidence exists, or practical experience predicts, that the material may produce skin inflammation in a substantial number of individuals following direct contact.
<b>Eye contact</b>	Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals.
<b>Chronic</b>	Practical experience shows that skin contact with the material is capable either of inducing a sensitization reaction in a substantial number of individuals. There is sufficient evidence to provide a strong presumption that human exposure to the material may result in impaired fertility.

Euthaphen C-III Solution	<b>Acute toxicity</b>	<b>Irritation</b>
	Not Available	Not Available
pentobarbital sodium	<b>Acute toxicity</b>	<b>Irritation</b>
	Oral (rat) LD <sub>50</sub> : 118 mg/kg <sup>[2]</sup>	Not Available
propylene glycol	<b>Acute toxicity</b>	<b>Irritation</b>
	Dermal (rabbit) LD <sub>50</sub> : 11890 mg/kg <sup>[2]</sup>	Eye (rabbit): 100 mg – mild
	Inhalation (rat) LC <sub>50</sub> : >44.9 mg/kg <sup>[2]</sup>	Eye (rabbit): 500 mg/24h – mild
	Oral (rat) LD <sub>50</sub> : 20000 mg/kg <sup>[2]</sup>	Eye: no adverse effect observed (not irritating) <sup>[1]</sup>
		Skin (human): 104 mg/3d Intermit Mod
		Skin (human): 500 mg/7days mild
		Skin: no adverse effect observed (not irritating) <sup>[1]</sup>
ethanol	<b>Acute toxicity</b>	<b>Irritation</b>
	Dermal (rabbit) LD <sub>50</sub> : 17100 mg/kg <sup>[1]</sup>	Eye (rabbit): 500 mg SEVERE

	Inhalation (rat) LC <sub>50</sub> : 64000 mg/kg <sup>[2]</sup> Oral (rat) LD <sub>50</sub> : 7060 mg/kg <sup>[2]</sup>	Eye (rabbit): 100 mg/24h – moderate Eye: adverse effect observed (irritating) <sup>[1]</sup> Skin (rabbit): 20 mg/24h moderate Skin (rabbit): 400 mg (open) – mild Skin: no adverse effect observed (not irritating) <sup>[1]</sup>
phenytoin sodium	<b>Acute toxicity</b>	<b>Irritation</b>
	Dermal (rabbit) LD <sub>50</sub> : 2000 mg/kg <sup>[2]</sup> Inhalation (rat) LC <sub>50</sub> : >4.178 mg/kg <sup>[1]</sup> Oral (rat) LD <sub>50</sub> : 1230 mg/kg <sup>[2]</sup>	Not Available
benzyl alcohol	<b>Acute toxicity</b>	<b>Irritation</b>
	Dermal (rat) LD <sub>50</sub> : >2000 mg/kg <sup>[1]</sup> Oral (rat) LD <sub>50</sub> : 890 mg/kg <sup>[2]</sup>	Eye (rabbit): 0.75 mg open SEVERE Eye: adverse effect observed (irritating) <sup>[1]</sup> Skin (human): 16 mg/48h – mild Skin (rabbit): 10 mg/24h open-mild Skin: no adverse effect observed (not irritating) <sup>[1]</sup>

1 Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

Acute Toxicity	✓	Carcinogenicity	✓
Skin Irritation/Corrosion	✓	Reproductivity	✓
Serious Eye Damage/Irritation	✓	STOT – Single Exposure	*
Respiratory or Skin Sensitization	✓	STOT – Repeated Exposure	✓
Mutagenicity	*	Aspiration Hazard	*

\* - Data either not available or does not fill the criteria for classification, ✓ - Data available to make classification.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Euthaphen C-III Solution	Endpoint	Test Duration	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
pentobarbital sodium	<b>Endpoint</b>	<b>Test duration</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	NOEC(ECx)	360h	Fish	1mg/l	4
propylene glycol	<b>Endpoint</b>	<b>Test duration</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	NOEC(ECx)	336h	Algae or other aquatic plants	<5300mg/l	1
	EC50	72h	Algae or other aquatic plants	19300mg/l	2
	EC50	48h	Crustacea	>114.4mg/l	4
	LC50	96h	Fish	>10000mg/l	2
EC50	96h	Algae or other aquatic plants	19000mg/l	2	
ethanol	<b>Endpoint</b>	<b>Test duration</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50(ECx)	96h	Algae or other aquatic plants	<0.001mg/l	4
	EC50	72h	Algae or other aquatic plants	275mg/l	2
	EC50	48h	Crustacea	>79mg/l	4
	LC50	96h	Fish	>100mg/l	2
EC50	96h	Algae or other aquatic plants	>100mg/l	4	
phenytoin sodium	<b>Endpoint</b>	<b>Test duration</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	Not Available	Not Available	Not Available	Not Available	Not Available
benzyl alcohol	<b>Endpoint</b>	<b>Test duration</b>	<b>Species</b>	<b>Value</b>	<b>Source</b>
	EC50	72h	Algae or other aquatic plants	500mg/l	2
	EC50	48h	Crustacea	230mg/l	2
	NOEC(ECx)	336h	Fish	5.1mg/l	2
	LC50	96h	Fish	10mg/l	2
EC50	96h	Algae or other aquatic plants	76.828mg/l	2	

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

**DO NOT discharge into sewer or waterways.**

### 12.2 Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
pentobarbital sodium	HIGH	HIGH
propylene glycol	LOW	LOW
ethanol	LOW (Half-life = 2.17 days)	LOW (Half-life = 5.08 days)
benzyl alcohol	LOW	LOW


### 12.3 Bioaccumulative potential

Ingredient	Bioaccumulation
pentobarbital sodium	LOW (LogKOW = 2.0043)
propylene glycol	LOW (BCF = 1)
ethanol	LOW (LogKOW = -0.31)
benzyl alcohol	LOW (LogKOW = 1.1)


### 12.4 Mobility in soil

Ingredient	Mobility
pentobarbital sodium	LOW (KOC = 114.4)
propylene glycol	HIGH (KOC = 1)
ethanol	HIGH (KOC = 1)
benzyl alcohol	LOW (KOC = 15.66)

SECTION 13: DISPOSAL CONSIDERATIONS	
<b>13.1 Waste treatment methods</b>	
<b>Product/ packaging disposal</b>	Containers may still present a chemical hazard/danger when empty. If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and SDS and observe all notices pertaining to the product. <b>DO NOT allow wash water from cleaning or process equipment to enter drains.</b> In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Consult State Land Waste Authority for disposal. Bury or incinerate residue at an approved site.

SECTION 14: TRANSPORT INFORMATION			
<b>Labels required</b>			
			
<b>Marine pollutant:</b>	NO		
<b>Land transport (DOT)</b>			
<b>14.1 UN Number</b>	2810		
<b>14.2 UN Proper Shipping Name</b>	Toxic, liquids, organic, n.o.s. (contains pentobarbital sodium)		
<b>14.3 Transport hazard class(es)</b>	Class	6.1	
	Subrisk	Not Applicable	
<b>14.4 Packing group</b>	III		
<b>14.5 Environmental hazards</b>	Not Applicable		
<b>14.6 Special precautions for user</b>	Hazard identification (Kemler)	6.1	
	Special provisions	IB3, T7, TP1, TP28	
<b>Air transport (ICAO-IATA / DGR)</b>			
<b>14.1 UN Number</b>	2810		
<b>14.2 UN Proper Shipping Name</b>	Toxic liquid, organic, n.o.s. * (contains pentobarbital sodium)		
<b>14.3 Transport hazard class(es)</b>	ICAO/IATA Class	6.1	
	ICAO / IATA Subrisk	Not Applicable	
	ERG Code	6L	
<b>14.4 Packing group</b>	III		
<b>14.5 Environmental hazards</b>	Not Applicable		
<b>14.6 Special precautions for user</b>	Special provisions	A3 A4 A137	
	Cargo Only Packing Instructions	663	
	Cargo Only Maximum Qty / Pack	220 L	
	Passenger and Cargo Packing Instructions	655	
	Passenger and Cargo Maximum Qty / Pack	60 L	
	Passenger and Cargo Limited Quantity Packing Instructions	Y642	
	Passenger and Cargo Limited Maximum Qty / Pack	2 L	
<b>Sea transport (IMDG-Code / GGVSee)</b>			
<b>14.1 UN Number</b>	2810		
<b>14.2 UN Proper Shipping Name</b>	TOXIC LIQUID, ORGANIC, N.O.S. (contains pentobarbital sodium)		
<b>14.3 Transport hazard class(es)</b>	IMDG Class	6.1	
	IMDG Subrisk	Not Applicable	
<b>14.4 Packing group</b>	III		
<b>14.5 Environmental hazards</b>	Not Applicable		
<b>14.6 Special precautions for user</b>	EMS Number	F-A, S-A	
	Special provisions	223 274	
	Limited Quantities	5 L	
<b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC code</b>			
Not Applicable			
<b>14.8 Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code</b>			
<b>Product name</b>	<b>Group</b>		
	Not available for any ingredient		
<b>14.9 Transport in bulk in accordance with ICG Code</b>			
<b>Product name</b>	<b>Group</b>		
	Not available for any ingredient		

SECTION 15: REGULATORY INFORMATION	
<b>15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture</b>	
Product regulated by FDA as a veterinary product.	
<b>pentobarbital sodium is found on the following regulatory lists</b>	
Chemical Footprint Project - Chemicals of High Concern List, US - California Proposition 65 - Reproductive Toxicity, US - California Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65 List, US EPCRA Section 313 Chemical List	

<b>propylene glycol is found on the following regulatory lists</b>	
US AIHA Workplace Environmental Exposure Levels (WEELs), US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs), US DOE Temporary Emergency Exposure Limits (TEELs), US EPA Integrated Risk Information System (IRIS), US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory, US Toxicology Excellence for Risk Assessment (TERA) WEEL, US TSCA Chemical Substance Inventory - Interim List of Active Substances	
<b>ethanol is found on the following regulatory lists</b>	
US - Massachusetts - Right To Know Listed Chemicals, US DOE TEELs, US NIOSH Recommended Exposure Limits (RELs), US OSHA Permissible Exposure Limits (PELs) Table Z-1, US TSCA - Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances	
<b>phenytoin sodium is found on the following regulatory lists</b>	
Chemical Footprint Project - Chemicals of High Concern List, US - California Proposition 65 – Carcinogens, US - California Safe Drinking Water and Toxic Enforcement Act of 1986 - Proposition 65 List, US National Toxicology Program (NTP) 15th Report Part B. Reasonably Anticipated to be a Human Carcinogen, US TSCA - Chemical Substance Inventory	
<b>benzyl alcohol is found on the following regulatory lists</b>	
US - Massachusetts - Right To Know Listed Chemicals, International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs, International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS), US - Alaska Air Quality Control - Concentrations Triggering an Air Quality Episode for Air Pollutants Other Than PM-2.5, US - Massachusetts - Right To Know Listed Chemicals, US NIOSH Recommended Exposure Limits (RELs), US OSHA Permissible Exposure Limits (PELs) Table Z-1, US OSHA Permissible Exposure Limits (PELs) Table Z-3, US TSCA - Chemical Substance Inventory, US TSCA Chemical Substance Inventory - Interim List of Active Substances	
<b>betamethasone acetate is found on the following regulatory lists</b>	
International WHO List of Proposed OEL Values for MNMS, US AIHA WEELs, US DOE TEELs, US TSCA - Chemical Substance Inventory, US TERA WEEL, US TSCA Chemical Substance Inventory - Interim List of Active Substances	
<b>Federal Regulations</b>	
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
<b>Section 311/312 hazard categories</b>	
Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	Yes
Acute toxicity (any route of exposure)	Yes
Reproductive toxicity	Yes
Skin Corrosion or Irritation	Yes
Respiratory or Skin Sensitization	Yes
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	Yes
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No
US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4) None reported	
<b>State Regulations</b>	
US. California Proposition 65	
 <b>WARNING:</b> This product can expose you to chemicals including <b>phenytoin sodium</b> , which is known to the State of California to cause cancer, and <b>pentobarbital sodium</b> , which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .	
<b>National Inventory Status</b>	
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	No (phenytoin sodium)
Canada - NDSL	No (pentobarbital sodium; propylene glycol; ethanol; benzyl alcohol)
China - IECSC	No (pentobarbital sodium; phenytoin sodium)
Europe - EINEC / ELINCS /NLP	Yes
Japan - ENCS	No (pentobarbital sodium; phenytoin sodium)
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	No (pentobarbital sodium; phenytoin sodium)
USA - TSCA	No (pentobarbital sodium)
Taiwan - TCSI	Yes



Mexico - INSQ	No (pentobarbital sodium)
Vietnam - NCI	No (pentobarbital sodium; phenytoin sodium)
Russia - FBEPH	No (pentobarbital sodium; phenytoin sodium)
Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration	

## SECTION 16: OTHER INFORMATION

Initial date: November 2022

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average	TEEL: Temporary Emergency Exposure Limit
PC—STEL: Permissible Concentration-Short Term Exposure Limit	ES: Exposure Standard
IARC: International Agency for Research on Cancer	OSF: Odour Safety Factor
ACGIH: American Conference of Governmental Industrial Hygienists	NOAEL :No Observed Adverse Effect Level
IDLH: Immediately Dangerous to Life or Health Concentrations	LOAEL: Lowest Observed Adverse Effect Level
AIC: Australian Inventory of Industrial Chemicals	TLV: Threshold Limit Value
IECSC: Inventory of Existing Chemical Substance in China	LOD: Limit Of Detection
EINECS: European INventory of Existing Commercial chemical Substances	OTV: Odour Threshold Value
ELINCS: European List of Notified Chemical Substances	BCF: BioConcentration Factors
ENCS: Existing and New Chemical Substances Inventory	BEL: Biological Exposure Index
PICCS: Philippine Inventory of Chemicals and Chemical Substances	DSL: Domestic Substances List
INSQ: Inventario Nacional de Sustancias Químicas	NDSL: Non-Domestic Substances List
NCI: National Chemical Inventory	NLP: No-Longer Polymers
FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances	KECI: Korea Existing Chemicals Inventory
NZIoC: New Zealand Inventory of Chemicals	TSCA: Toxic Substances Control Act
STEL: Short Term Exposure Limit	TCSI: Taiwan Chemical Substance Inventory

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