



SAFETY DATA SHEET

PENTOBARBITAL SODIUM SOLUTION

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: PENTOBARBITAL SODIUM SOLUTION
PART No.: M042
APPLICATIONS: Licenced Veterinary Product
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

COMPOSITION COMMENTS: Preparation containing: - 20% Pentobarbital sodium {5-ethyl-5- (1-methylbutyl) -2,4,6 (1H,3H,5H) pyrimidinetrione- sodium salt} - {CAS No. 57-33-0, EINECS Number 200-323-9}.

3. HAZARDS IDENTIFICATION:

Toxic if swallowed. Can be absorbed through skin.

Pentobarbitone is a potent hypnotic and sedative (Schedule 3 Controlled Drug).

4. FIRST AID MEASURES:

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

SPECIFIC FIRST AID TREATMENT: Administer symptomatic and supportive measures.

INGESTION: DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation.
Only when conscious rinse mouth out. Obtain urgent medical attention. Keep warm and at rest.

SKIN: Remove contaminated clothing. Wash affected area with plenty of soap and water. Launder clothing before re-use.

EYES: Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Use extinguishing media suitable against surrounding fire or the cause of fire.
SPECIAL FIRE FIGHTING PROCEDURES:	Take measures to retain water used for extinguishing. Do not release contaminated water into drains, soil and surface water. Dispose of contaminated water and soil according to local regulations.
HAZARDOUS COMBUSTION PRODUCTS:	Noxious or toxic vapours may be released in fire situation.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Avoid direct contact with skin, eyes and clothing. Wear appropriate protective clothing.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Avoid contact with skin or eyes.
USAGE DESCRIPTION:	Durable gloves are recommended when handling the product. Take precautionary measures to reduce the risk of self-injection.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container.
STORAGE CRITERIA:	Toxic storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

PROTECTIVE GLOVES:	Use impervious gloves.
EYE PROTECTION:	Use approved safety goggles or face shield.
OTHER PROTECTION:	Wear suitable personal protective equipment appropriate to the task.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. Decontaminate personal protective equipment after use, otherwise dispose of as contaminated waste.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Clear blue liquid.
PHYSICAL DATA COMMENTS:	Each ml or cm ³ of product contains 200mg of Pentobarbitone Sodium.
pH-VALUE, CONC. SOLUTION:	~ 11

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Avoid temperature in excess of 25°C.

11. TOXICOLOGICAL INFORMATION:

TOXICOLOGICAL INFORMATION:	Pentobarbitone is a potent hypnotic and sedative barbiturate (CD Sch 3). Toxic if swallowed, can be absorbed through skin and mucous membranes. One gram (1g) dose of Pentobarbital Sodium (equivalent to 5ml of product) has been reported to be fatal in humans.
HEALTH HAZARDS, GENERAL:	ENSURE MEDICAL SERVICES ARE MADE AWARE THAT THE PATIENT COULD BE SUFFERING FROM BARBITURATE POISONING AND IF POSSIBLE GIVE INDICATION OF QUANTITY INJECTED OR INGESTED .
INGESTION:	SEEK URGENT MEDICAL ATTENTION. Keep patient warm and at rest.
SKIN:	Absorption through skin may cause drowsiness.
EYES:	CAUTION - pH of the solution may vary between 10.0 and 11.5, at this concentration the solution will severely irritate or may cause damage to corneal tissue.
HEALTH WARNINGS:	Toxic effects will depend on the quantity of product absorbed, ingested or injected and may include respiratory depression, cardiovascular depression with hypotension and shock leading to renal failure, coma.
MEDICAL SYMPTOMS:	Concentration of Pentobarbital in the product is such that accidental ingestion or self-injection of quantity as small as 2ml in human adult can have serious CNS effects.
MEDICAL CONSIDERATIONS:	FIRST AID MEASURES. It is essential to maintain the airways in case of respiratory depression - DO NOT LEAVE PATIENT UNATTENDED; administer symptomatic and supportive measures.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	No specific data or information available regarding environmental impact. Avoid release to the environment. Waste from this product may present environmental hazard.
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13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.

WASTE CLASS: WASTE CODE: 0705** HAZARDOUS PROPERTY: H6

14. TRANSPORT INFORMATION:

GENERAL: Not classified as hazardous for transport.

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES: R-25 Toxic if swallowed.
R-21 Harmful in contact with skin.

SAFETY PHRASES: S-25 Avoid contact with eyes.
S-36 Wear suitable protective clothing.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S-60 This material and its container must be disposed of as hazardous waste.

UK REGULATORY REFERENCES: Classification, Packaging and Labelling Regulations 1984. Chemicals (Hazard Information & Packaging) Regulations 1993.

COMMENTS: This product is a licenced medicine and as such is exempt from CHIP Regulations. However in view of the potential consequence of accidental self-inoculation this product has been classified as toxic for supply.

16. OTHER INFORMATION:

USER NOTES: THIS PRODUCT MUST ONLY BE USED BY A QUALIFIED VETERINARY SURGEON WHO WILL BE FULLY CONVERSANT WITH THE HAZARDS RELATING TO THE USE OF THIS PRODUCT, ESPECIALLY WITH REGARD TO THE POTENTIAL RISK OF ACCIDENTAL SELF-INJECTION. Further medical advice can be obtained from the POISONS INFORMATION CENTRE.

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.

REVISION COMMENTS: Edition 01; Revised item(s):

ISSUED BY: MK

SDS No.: M095

DATE: 12/07/02

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.