Amobarbital sodium (cas 64-43-7) MSDS

1 - Product and Company Information

Product Name AMOBARBITAL SODIUM DEA SCHEDULE II ITEM
Product Number A1430

2 - Composition/Information on Ingredients

Product Name CAS # EC no Annex I
Index Number AMOBARBITAL SODIUM 64-43-7 200-584-9 None

Formula C11H17N2NaO3
Molecular Weight 248.3 AMU
Synonyms Alitinal * Amobarbital sodium * Amsebarb *
Amylobarbitone, sodium deriv * Amytal sodium *
Barbamyl * Barbituric acid, 5-ethyl-5-isopentyl-, sodium deriv. *
Dorminal * Drinamyl * Dusotal *
5-Ethyl-5-isopentylbarbituric acid sodium salt *
5-Ethyl-5-(3-methylbutyl)barbituric acid sodium derivative *
5-Isoamyl-5-ethylbarbituric acid, sodium deriv *
5-Ethyl-5-(3-methylbutyl)-2,4,6-(1H,3H,5H)-pyrimidinetrione sodium salt *
Sodium amobarbital *
Sodium amylobarbitone * Sodium amytal * Sodium barbamyl *
Sodium ethylisoamylbarbiturate *
Sodium isoamylethyl barbiturate * t-Barb

3 - Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT
Harmful if swallowed.

4 - First Aid Measures

AFTER INHALATION
If inhaled, remove to fresh air. If not breathing give
artificial respiration. If breathing is difficult, give oxygen.

AFTER SKIN CONTACT
In case of skin contact, flush with copious amounts of water for
at least 15 minutes. Remove contaminated clothing and shoes.
Call a physician.

AFTER EYE CONTACT
In case of contact with eyes, flush with copious amounts of
water for at least 15 minutes. Assure adequate flushing by
separating the eyelids with fingers. Call a physician.

AFTER INGESTION
If swallowed, wash out mouth with water provided person is
conscious. Call a physician.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA
Suitable: Water spray. Carbon dioxide, dry chemical powder, or
appropriate foam.
SPECIAL RISKS
Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL
Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage

HANDLING
Directions for Safe Handling: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE
Conditions of Storage: Keep tightly closed.

8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS
Mechanical exhaust required. Safety shower and eye bath.

GENERAL HYGIENE MEASURES
Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

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Appearance Physical State: Solid

Property Value At Temperature or Pressure

pH N/A
BP/BP Range N/A
MP/MP Range N/A
Flash Point N/A
Rammability N/A
Autoignition Temp N/A
Oxidizing Properties N/A
Explosive Properties N/A
Explosion Limits N/A
Vapor Pressure N/A
SG/Density N/A
Partition Coefficient N/A
Viscosity N/A
10 - Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11 - Toxicological Information

RTECS NUMBER: CQ5250000

ACUTE TOXICITY

LD50

Oral

Rat

275 mg/kg

LD50

Intravenous

Rat

128 MG/KG


LD50

SIGMA- A4430 www.-aldrich.com Oral

Mouse

505 mg/kg

LD50

Intraperitoneal

Mouse

200 MG/KG

LD50

Subcutaneous

Mouse

200 MG/KG

LD50

Oral

Dog

99 mg/kg

LD50

Intravenous

Dog
75 MG/KG

LD50
Oral
rabbit
575 mg/kg

LD50
Intraperitoneal
Rabbit
90 MG/KG

LD50
Intravenous
Rabbit
70 MG/KG

SIGNS AND SYMPTOMS OF EXPOSURE
Overexposure can cause poor judgment, emotional instability, and at times a toxic psychosis. Neurological signs may include nystagmus, dysarthria, and ataxia. Prolonged or repeated exposure can lead to habituation or addiction.

ROUTE OF EXPOSURE
Skin Contact: May cause skin irritation.
Skin Absorption: Harmful if absorbed through skin.
Eye Contact: May cause eye irritation.
Inhalation: Harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion: Harmful if swallowed.

TARGET ORGAN INFORMATION
Central nervous system.

12 - Ecological Information
No data available.

13 - Disposal Considerations
SUBSTANCE DISPOSAL
Contact the Drug Enforcement Administration concerning the disposal of controlled substances. Observe all federal, state, and local environmental regulations.

14 - Transport Information
RID/AD Non-hazardous for road transport.
IMDG
Non-hazardous for sea transport.
IATA
Non-hazardous for air transport.

15 - Regulatory Information
CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES
INDICATION OF DANGER: Xn
Harmful.
R-PHRASES: 22
Harmful if swallowed.
Wear suitable protective clothing.

16 - Other Information

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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