

AmbiSorb PCM

A safety data sheet is not required for this product under Article 31 of REACH.

This SDS has been created to pass on relevant information required under Articles 32 & 33.

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 PRODUCT IDENTIFIER:

Product name: AmbiSorb

Product Codes: Covers product codes beginning AS

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Intended Use: For insulated shipping systems, to protect pharmaceutical and biotech products from extremes of temperature during transportation.

Uses advised against: None given.

Reason why uses advised against: None given.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier: Laminar Medica Ltd
Unit 4,
Tring Industrial Estate,
Icknield Way,
Tring.
Hertfordshire.
HP23 4JX

Telephone number: +44 (0) 1442 828664

Email: enquiries@laminarmedica.co.uk

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

These products are not classified according to Regulation (EC) No. 1272/2008 or to EU Directive 67/548/EEC /1999/45 EC.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Description of the mixture: Salt hydrate mixture. Contains SVHC Disodium tetraborate decahydrate (Borax: CAS No. 1303-96-4) in levels of up to 3%.

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SECTION 4 FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

INHALATION

If symptoms are experienced remove source of contamination or move person to fresh air. Obtain medical advice if symptoms persist.

SKIN CONTACT

Flush contaminated skin with plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

EYE CONTACT

No effects expected. If irritation occurs flush the contaminated eye(s) thoroughly with lukewarm, flowing water for at least 5 minutes, while holding the eyelid(s) open.

INGESTION

If irritation or discomfort occur, obtain medical advice.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Acute: Irritation to the skin and eyes

Delayed: No delayed effects expected

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No special treatment required.

SECTION 5 FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable Extinguishing Media: Use water spray, carbon dioxide (CO₂), foam or dry chemical.

Unsuitable Extinguishing Media: None detailed.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No specific hazards.

Hazardous Combustion Products: Smoke, Fume, Oxides of carbon

5.3 ADVICE FOR FIRE FIGHTERS

Fire Fighting Instructions:

Evacuate area. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

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SECTION 6 ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

6.1.1 For non-emergency personnel

Protective equipment: Use suitable protective equipment such as gloves and eye protection.

Emergency procedure: Avoid contact with spilled material. Isolate and dike to confine the spill and absorb with a non-combustible absorbent. Vacuum, shovel or pump waste into a drum and label contents for disposal. Repeat if necessary.

6.1.2 For emergency responders

Gloves and eye protection recommended.

Small spills (<5L): Normal work clothes are usually adequate with gloves and eye protection.

Large spills (>5L): Normal work clothes are usually adequate with gloves and eye protection.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid dispersal of spilled material to the drains and sewers.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

6.3.1 For containment:

Dyke far ahead of liquid spill for later recovery and disposal.

6.3.2 For cleaning up:

Collect with non combustible absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) and place in container for disposal according to local/ national regulation (see section 13).

6.3.3 Other information: N/A

6.4 REFERENCE TO OTHER SECTIONS

See Sections 8 and 13.

SECTION 7 HANDLING AND STORAGE**7.1 PRECAUTIONS FOR SAFE HANDLING**

Handle in accordance with good industrial hygiene and safety practice. Wash hands and exposed skin immediately after handling.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

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Keep container closed. Store in a cool, well-ventilated area.

7.3 SPECIFIC END USES:

None detailed.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 CONTROL PARAMETERS**

Disodium tetraborate (1330-43-4) has a UK workplace exposure limit of 1mg/m³ time weighted average.

8.2 EXPOSURE CONTROLS

In case of insufficient ventilation wear suitable respiratory equipment. Gloves and eye protection may be used.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

- | | |
|---|---|
| (a) Physical State: | White crystalline solid @ 15 °C, 59 °F / White paste @ 25 °C, 77 °F |
| (b) Odour: | Earthy |
| (c) Odour Threshold: | No data available |
| (d) pH: | Near neutral (7-8) |
| (e) Melting Point: | 23 °C, 73 °F |
| Freezing Point: | 17 °C, 63 °F |
| (f) Boiling Point/ Boiling Range: | No data available |
| (g) Flash Point (Method): | No data available |
| (h) Evaporation Rate: | No data available |
| (i) Flammability (Solid, Gas): | No data available |
| (j) Upper explosion limit: | No data available |
| Lower explosion limit: | No data available |
| (k) Vapour Pressure: | No data available |
| (l) Vapour Density (Air = 1): | No data available |
| (m) Relative Density: | 1.47 g/cm ³ @ 25 °C, 77 °F |
| (n) Solubility(ies): | No data available |
| (o) Partition coefficient (n-Octanol/Water Partition Coefficient) (log Kow): | No data available |
| (p) Autoignition Temperature: | No data available |
| (q) Decomposition Temperature: | No data available |
| (r) Viscosity: | No data available |

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- (s) Explosive Properties: No data available
(t) Oxidising Properties: No data available

9.2 OTHER INFORMATION

No data available

SECTION 10 STABILITY AND REACTIVITY**10.1 REACTIVITY**

Stable under ambient storage conditions

10.2 CHEMICAL STABILITY

Product is stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known during recommended use.

10.4 CONDITIONS TO AVOID

Avoid heat, sparks, open flames and other ignition sources.

10.5 INCOMPATIBLE MATERIALS

Strong oxidising or reducing materials. Strong bases.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Material does not decompose at ambient temperatures. In case of fire hazardous decomposition products may be produced such as carbon oxides.

SECTION 11 TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

Oral toxicity: LD50 Oral/ Rat for Disodium tetraborate is 2500 mg/kg bw

CMR properties:

Not considered to be a carcinogenic, mutagenic, or reproductive toxicant (contains <4.5% Disodium tetraborate).

SECTION 12 ECOLOGICAL INFORMATION

Not regarded as dangerous for the environment.

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SECTION 13 DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Dispose of waste and residues in accordance with local authority requirements.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site.

SECTION 14 TRANSPORT INFORMATION

14.1 – 14.6 This product is not regulated for carriage according to ADR/RID/ADN, IMDG, ICAO-TI/IATA-DGR

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code - Not applicable

SECTION 15 REGULATORY INFORMATION

15.2 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet complied with the requirements of Regulation (EC) No 1907/2006.

15.2 CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out by the supplier.

SECTION 16 OTHER INFORMATION

List of abbreviations and acronyms:

ADN	European provisions concerning the international carriage of dangerous goods by inland waterways
ADNR	European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road
bw	body weight
CAS	Chemical Abstracts Service
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
DPD	Dangerous Preparations Directive
DSD	Dangerous Substances Directive
EC	European Commission/ Communities
EEC	European Economic Community
EU	European Union
g	grams
HSE	Health and Safety Executive
IATA	International Air Transport Association
IBC	International bulk container
IMDG	International Maritime Dangerous Goods Code
ISO	International Organization for Standardization
kg	kilogram
l	litre
LD	Lethal Dose

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m ³	cubic metre
ml	millilitre
N/A	Not Applicable
REACH	Registration Evaluation and Authorisation of Chemicals
RID	Reglements Internationales Relatif au Transport des Marchandises Dangereuses par Chemin de Fer
SVHC	Substance of very high concern

References

ECHA	European Chemicals Agency, http://echa.europa.eu/
HSE	Health and Safety Executive, http://www.hse.gov.uk/
TOXNET	Databases on toxicology, hazardous chemicals, environmental health, and toxic releases, http://toxnet.nlm.nih.gov/

Revisions

Dec 2014: First Issue

Recommended uses and restrictions:

The data and advice given apply when the product is sold for the stated application(s).

Further information:

Above information corresponds to present knowledge and experience and should only be used as a guide. It is not a guarantee that no errors or incomplete data may be contained. © Laminar Medica Limited 2014