

1,3-Bis(2-hydroxyethyl)-5,5-dimethylhydantoin

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name:	1,3-Bis(2-hydroxyethyl)-5,5-dimethylhydantoin
CAS Number:	26850-24-8
EC Number:	248-052-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: For industry use only

1.3 Details of the supplier of the safety data sheet

Company name:	East Harbour Group Ltd 20 Clough Road, Severalls Industrial Park Colchester, Essex, CO4 9QS United Kingdom
Telephone:	+44 (0) 333 242 0100
Email:	info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture

Not classified

2.2 Label elements

No symbol or signal word

2.3 Other hazards

None

Section 3: Composition/information on ingredients

3.2 Mixtures

CAS #	Content (W/W)	Ingredients
26850-24-8	100%	1,3-Bis(2-hydroxyethyl)-5,5-dimethylhydantoin

Chemical name: 1,3-Bis(2-hydroxyethyl)-5,5-dimethylhydantoin

Common name / synonyms: 1,3-Bis(2-hydroxyethyl)-5,5-dimethylhydantoin

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Section 4: First aid measures

4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus for fire-fighting if necessary.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values: no data available

Biological Limit Values: no data available

8.2 Exposure controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection: Wear dust mask when handling large quantities.

Thermal hazards: no data available

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

No data available

Physical State

Other solid

Odor

No data available

Odor Threshold

No data available

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pH

Melting Point/Range

No data available

Boiling Point/Range

No data available
355.8 C at 760mmHg

Flash Point

169 C

Evaporation Rate

No data available

Flammability (solid, gas)

No data available

Explosion Limits

No data available

Vapor Pressure

1.73E-06 mmHg at 25 C

Vapor Density

No data available

Specific Gravity / Density

1.254g/cm3

Bulk Density

No data available

Water Solubility

No data available

Solubility in other solvents

No data available

Partition Coefficient

No data available

Auto-ignition temperature

No data available

Decomposition temperature

No data available

Section 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

Section 11: Toxicological Information

11.1 Toxicological effects:

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation: No data available

Serious eye damage/irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: No data available

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Section 12: Ecological Information

12.1 Toxicity

Ecotoxicity effects

Toxicity to fish: No data available

Toxicity to algae: No data available

Toxicity to bacteria: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Biodegradability: aerobic - Exposure time 28 d/ Result: 90 - 100 % - Readily biodegradable.

Bioaccumulative

Potential: No data available

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods: The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated Packing: Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packing can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

Section 14: Transport Information

14.1 UN Number

ADR/RID: No data available

IMDG: No data available

IATA: No data available

14.2 UN Proper Shipping Name

ADR/RID: No data available

IMDG: No data available

IATA: No data available

14.3 Transport hazard class(es)

ADR/RID: No data available

IMDG: No data available

IATA: No data available

14.4 Packing group, if applicable

ADR/RID: No data available

IMDG: No data available

IATA: No data available

14.5 Environmental hazards

ADR/RID: No

IMDG: No

IATA: No

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14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

European Inventory of Existing Commercial Chemical Substances (EINECS): Listed

EC Inventory: Listed

United States Toxic Substances Control Act (TSCA) Inventory: Listed

China Catalogue of Hazardous Chemicals 2015: Not listed

New Zealand Inventory of Chemicals (NZIoC): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Not listed

Vietnam National Chemical Inventory: Not listed

Chinese Chemical Inventory of Existing Chemical Substances (CHINA IECSCS): Not listed

Section 16: Other Information

HMIS Rating

Health hazard: 0

Chronic Health Hazard:

Flammability: 1

Physical Hazard 0

NFPA Rating

Health hazard: 0

Fire Hazard: 1

Reactivity Hazard: 0