GB3086 v3.0



### Safety Data Sheet

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#### According to REACH Regulations (EC) 1907/2006 and (EU) 2020/878

1.	I de métérie estience est éle e u	aubatanaa/mixtura and of the aa			
	Identification of the substance/mixture and of the company/undertaking				
1.1	Product identifier				
	Product code	: GB3086			
	Product name	: HEPES			
	CAS number	: 7365-45-9			
	EINECS	: 230-907-9			
	Physical form	solid, substance			
	REACH	: A registration number is not are exempted from registrati the registration is envisaged	on, the annual tonn	age does not	
1.2	Relevant identified uses of the substance or mixture and uses advised against				
	PC21: Laboratory ch	emicals.			
1.3	Details of the supplie	er of the safety data sheet			
	Company name	: Glentham Life Sciences Ltd	Telephone	: +44 (0)	) 1225 667 798
		Unit 5 Leafield Way	Fax	: +44 (0)	) 2033 978 909
		Corsham SN13 9SW	Email		glentham.com
		United Kingdom	Web	: www.g	lentham.com
1.4	Emergency telephon	ie number			
	Emergency telephon number	e : NHS Direct 111 (UK, 24 hou	rs), 112 (EU, 24 Ho	urs), +44 (0)	1225 667 798 (09.00 – 17.00 GMT)
2.	Hazards identificatio	n			
		on substance or mixture			
	Classification of the				
	Classification of the Classification under CLP a	substance or mixture			
2.1	Classification of the Classification under CLP a	substance or mixture according to (EC) 1272/2008			
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#### 4. First aid measures

#### 4.1 Description of first aid measures

Skin contact	Wash immediately with plenty of soap and water.
Eye contact	Bathe the eye with running water for 15 minutes.
Ingestion	Wash out mouth with water.
Inhalation	Consult a doctor.

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I	Most important sympto	oms and effects, both acute and delayed
	Skin contact	There may be mild irritation at the site of contact.
	Eye contact	There may be irritation and redness.
	Ingestion	There may be irritation of the throat.
	Inhalation	There may be irritation of the throat with a feeling of tightness in the chest.
	Delayed / immediate effects	Immediate effects can be expected after short-term exposure.
I	Indication of any imme	ediate medical attention and special treatment needed
I	Immediate / special treatmer	nt
I	No data available.	
I	Fire-fighting measures	5
I	Extinguishing media	
:	Suitable extinguishing	media for the surrounding fire should be used.
;	Special hazards arising	g from the substance or mixture
I	Exposure hazards	
I	In combustion emits to	xic fumes.
1	Advice for fire-fighters	
Ņ	Wear protective clothin	g to prevent contact with skin and eyes. Wear self-contained breathing apparatus.
	Accidental release me	25/1705
		protective equipment and emergency procedures
	Personal precautions	protective equipment and emergency procedures
	-	DS for personal protection details.
	Environmental precaut	
	Do not discharge into c	
	-	for containment and cleaning up
	Clean-up procedures	
		with large amounts of water.
	Reference to other sec	-
	Refer to section 8 of SI	
I	Handling and storage	
I	Precautions for safe ha	andling
	Handling requirements	
	Avoid the formation or	spread of dust in the air.
0	Conditions for safe sto	prage, including any incompatibilities
	Storage conditions	
		er or humidity. Keep container tightly closed. Store in cool, well ventilated area.
	Specific end use(s)	
I	No data available.	
I	Exposure controls/per	sonal protection
(	Control parameters	
١	Workplace exposure limits	
I	No workplace exposure	e limit control parameters set

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#### 8.2 Exposure controls

Engineering measures	No data available.
Respiratory protection	Respiratory protective device with particle filter.
Hand protection	Protective gloves.
Eye protection	Ensure eye bath is to hand. Safety glasses.
Skin protection	Protective clothing.

#### 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	White
Odour	No data available.
Melting point/Freezing point	212.6 °C
Boiling point/initial boiling point/boiling range	No data available.
Flammability	No data available.
Lower/Upper explosion limit	No data available.
Flash Point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
рН	No data available.
Kinematic viscosity	No data available.
Solubility	703.6 g/L @ 20 °C
Partition coefficient n-octanol/water	No data available.
Vapour pressure	No data available.
Density/relative density	No data available.
Relative vapour pressure	No data available.
Particle characteristics	No data available.

#### 9.2 Other information

No data available.

#### 10. Stability and reactivity

#### <sup>10.1</sup> Reactivity

Stable under recommended transport or storage conditions.

#### 10.2 Chemical stability

Stable under normal conditions.

#### <sup>10.3</sup> Possibility of hazardous reactions

#### Hazardous reactions

Decomposition may occur on exposure to conditions or materials listed below. Hazardous reactions will not occur under normal transport or storage conditions.

#### <sup>10.4</sup> Conditions to avoid

Heat.

#### <sup>10.5</sup> Incompatible materials

Materials to avoid

Strong acids. Strong oxidising agents.

#### 11. Toxicological information

#### 11.1 Information on toxicological effects

a) Acute toxicity No data available.

#### b) Skin corrosion/irritation No data available.

c) Serious eye damage/irritation

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<ul> <li>No data available.</li> <li>Gerra cell mutagenicity         No data available.</li> <li>STOT-spied coopsure         Spiedmon / routes of exposure         Spiedmon / routes of exposure</li></ul>		No data available.	
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<ul> <li>12.5 Results of PBT and vPvB assessment This substance is not identified as a PBT substance.</li> <li>12.6 Endocrine disrupting properties This substance is not identified as having endocrine disrupting properties</li> <li>12.7 Other adverse effects No data available.</li> </ul>	12.4	Mobility in soil	
<ul> <li>This substance is not identified as a PBT substance.</li> <li>12.6 Endocrine disrupting properties <ul> <li>This substance is not identified as having endocrine disrupting properties</li> </ul> </li> <li>12.7 Other adverse effects <ul> <li>No data available.</li> </ul> </li> </ul>		No data available.	
<ul> <li>12.6 Endocrine disrupting properties <ul> <li>This substance is not identified as having endocrine disrupting properties</li> </ul> </li> <li>12.7 Other adverse effects <ul> <li>No data available.</li> </ul> </li> </ul>	12.5		
<ul> <li>This substance is not identified as having endocrine disrupting properties</li> <li>12.7 Other adverse effects</li> <li>No data available.</li> </ul>			
12.7 Other adverse effects No data available.	12.6		
No data available.			
	12.7		
13. Disposal considerations		No data available.	
	13.	Disposal consideration	ns

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#### 13.1 Waste treatment methods

#### **Disposal operations**

Transfer to a suitable container and arrange for collection by specialised disposal company.

#### NB

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

#### 14. Transport information

This product does not require a classification for transport.

#### 15. Regulatory information

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

This Safety Data Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commission Regulation (EU) 2020/878.

#### Authorisations/Restrictions

Regulation (EC) 1907/2006, REACH, Annex XIV list of substances subject to authorisation:	No data available.
Regulation (EC) 1907/2006, REACH, Annex XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances:	No data available.
Regulation (EC) 1005/2009 on substances that deplete the ozone layer:	No data available.
Regulation (EC) 850/2004 on persistent organic pollutants, amended by (EU) No 2019/1021:	No data available.

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

#### 16. Other information

#### **H-Statement Full Texts**

#### **Abbreviations Full Texts**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ALARP	As low as is reasonably practicable
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging Regulations
COSHH	Control of Substances Hazardous to Health
EC Number	European Community Number
EC50	Effective Concentration 50%
EILINCS	European List of Notified Chemical Substances
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonised System
HSE	Health & Safety Executive UK
IATA	International Air Transport Association
IM	Intramuscular
IMDG	The International Maritime Dangerous Goods Code
IP	Intraperitoneal
IV	Intravascular
LD50	Lethal Dose 50%
LOEC	Lowest Observable Effective Concentration
LTEL	Long Term Exposure Limit
NOEC	No Observable Effective Concentration
OECD	Organisation for Economic Cooperations and Development
PBT	Persistent Bioaccumulative Toxic
PPE	Personal Protective Equipment

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REACH RID	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations Concerning the International Carriage of Dangerous Goods by Rail
SC	Subcutaneous
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL	Workplace Exposure Limits

## This Safety Data Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commission Regulation (EU) 2020/878.

Disclaimer: Glentham Life Sciences shall not be held liable for any damage resulting from handling or from contact with the above product. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This document does not guarantee the properties or quality of the product.

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