

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

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product code : GX1597
Product name : Enmetazobactam
CAS number : 1001404-83-6
Physical form : solid, substance
REACH : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

PC21: Laboratory chemicals.

1.3 Details of the supplier of the safety data sheet

Company name : Glentham Life Sciences Ltd
Unit 5 Leafield Way
Corsham SN13 9SW
United Kingdom
Telephone : +44 (0) 1225 667 798
Fax : +44 (0) 2033 978 909
Email : info@glentham.com
Web : www.glentham.com

1.4 Emergency telephone number

Emergency telephone : NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours), +44 (0) 1225 667 798 (09.00 – 17.00 GMT) number

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP according to (EC) 1272/2008

H317 Skin Sens. 1
H318 Eye Dam. 1
H334 Resp. Sens. 1
H341 Muta. 2
H361 Repr. 2
H413 Aquatic Chronic 4

2.2 Label elements

Label elements under CLP according to (EC) 1272/2008

Pictograms



GHS05 GHS07 GHS08

Signal words Danger

Hazard statements

H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341 Suspected of causing genetic defects
H361 Suspected of damaging fertility or the unborn child
H413 May cause long lasting harmful effects to aquatic life

Precautionary statements

P261 Avoid breathing dust.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards

PBT

This substance is not identified as a PBT substance.

3.0 Composition/information on ingredients**3.1 Substances**

Name	Identifier	%	Classification
Enmetazobactam	CAS: 1001404-83-6 EC: REACH: Not applicable	98.0%	H317, Skin Sens. 1 H318, Eye Dam. 1 H334, Resp. Sens. 1 H341, Muta. 2 H361, Repr. 2 H413, Aquatic Chronic 4

4. First aid measures**4.1 Description of first aid measures**

Skin contact Consult a doctor. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact Consult a doctor. Bathe the eye with running water for 15 minutes.

Ingestion Consult a doctor. Wash out mouth with water.

Inhalation Consult a doctor. Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact There may be irritation and redness at the site of contact. There may be mild irritation at the site of contact.

Eye contact The eyes may water profusely. There may be irritation and redness.

Ingestion There may be irritation of the throat. There may be soreness and redness of the mouth and throat.

Inhalation Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects Delayed effects can be expected after long-term exposure. Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed**Immediate / special treatment**

Eye bathing equipment should be available on the premises.

5. Fire-fighting measures**5.1 Extinguishing media**

Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture**Exposure hazards**

In combustion emits toxic fumes.

5.3 Advice for fire-fighters

Wear protective clothing to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****Personal precautions**

Do not create dust. Evacuate the area immediately. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Refer to section 8 of SDS for personal protection details.

6.2 Environmental precautions

Alert the neighbourhood to the presence of fumes or gas. Do not discharge into drains or rivers.

6.3 Methods and material for containment and cleaning up

Clean-up procedures

Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

Refer to section 8 of SDS.

7. Handling and storage

7.1 Precautions for safe handling

Handling requirements

Avoid direct contact with the substance. Avoid the formation or spread of dust in the air. Do not handle in a confined space. Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Avoid contact with water or humidity. Keep container tightly closed. Store in cool, well ventilated area.

7.3 Specific end use(s)

No data available.

8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

No workplace exposure limit control parameters set

8.2 Exposure controls

Engineering measures Ensure there is sufficient ventilation of the area.

Respiratory protection Respiratory protective device with particle filter. Self-contained breathing apparatus must be available in case of emergency.

Hand protection Protective gloves (EN 374).

Eye protection Ensure eye bath is to hand. Safety glasses (EN 166).

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	No data available.
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.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	No data available.
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	
10.1 Reactivity	Stable under recommended transport or storage conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 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.
10.4 Conditions to avoid	Flames. Hot surfaces. Heat.
10.5 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	Serious eye damage/eye irritation (Category 1)
d) Respiratory or skin sensitisation	Sensitization, Skin (Category 1)
e) Germ cell mutagenicity	Germ cell mutagenicity (Category 2)
f) Carcinogenicity	No data available.
g) Reproductive toxicity	Reproductive toxicity (Category 2)
h) STOT-single exposure	No data available.
i) STOT-repeated exposure	No data available.
j) Aspiration hazard	No data available.
Symptoms / routes of exposure	
Skin contact	There may be irritation and redness at the site of contact. There may be mild irritation at the site of contact.
Eye contact	The eyes may water profusely. There may be irritation and redness.
Ingestion	There may be irritation of the throat. There may be soreness and redness of the mouth and throat.

Inhalation Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects Delayed effects can be expected after long-term exposure. Immediate effects can be expected after short-term exposure.

Other information No data available.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

This product does not contain known or suspected endocrine disruptors according to REACH or relevant EU Regulations.

11.2.2 Other information

No additional information

12. Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

Not biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6 Endocrine disrupting properties

This substance is not identified as having endocrine disrupting properties

12.7 Other adverse effects

No data available.

13. Disposal considerations

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**

H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects
H361	Suspected of damaging fertility or the unborn child
H413	May cause long lasting harmful effects to aquatic life

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
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	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

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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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