GM2431 v3.0



#### Safety Data Sheet

www.glentham.com

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

	According to REACH Regu	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 identifier			
	Product name:LCAS number:3EINECS:2Physical form:saREACH:Aall	0	annual tonna	stance as the substance or its uses ge does not require a registration or n deadline.	
1.2		elevant identified uses of the substance or mixture and uses advised against			
	PC21: Laboratory chemical				
1.3					
	U	Glentham Life Sciences Ltd Init 5 Leafield Way Corsham SN13 9SW Inited Kingdom	Telephone Fax Email Web	<ul> <li>+44 (0) 1225 667 798</li> <li>+44 (0) 2033 978 909</li> <li>info@glentham.com</li> <li>www.glentham.com</li> </ul>	
1.4	Emergency telephone num	ıber			
Emergency telephone : NHS Direct 111 (UK, 24 hours), 112 (EU, number			2 (EU, 24 Hou	rs), +44 (0) 1225 667 798 (09.00 – 17.00 GMT)	
2.	Hazards identification				
2.1	Classification of the subst	ance or mixture			
Classification under CLP according to (EC) 1272/2008					
	H319 Eye	Irr. 2A			
2.2	Label elements				
	Label elements under CLP according to (EC) 1272/2008				
	Pictograms	GHS07			
	Signal words Hazard statements	Warning			
	H319	Causes serious eye irritation			
	Precautionary statements				
	P305+P351+P338	IF IN EYES: Rinse cautiously easy to do - continue rinsing.	with water for	several minutes. Remove contact lenses if present and	
2.3	Other hazards				
	PBT				
	This substance is not ident	This substance is not identified as a PBT substance.			
3.0	Composition/information c	Composition/information on ingredients			
3.1	Substances				

**4**. 4.1

4.2

4.3

**5**. 5.1

5.2

5.3

**6.** 6.1

6.2

### Safety Data Sheet

#### www.glentham.com

Name		Identifier	%	Classification	
L-Ornithine monohydrochloride		CAS: 3184-13-2 EC: 221-678-6 REACH: Not applicable	99.0%	H319, Eye Irr. 2A	
First aid measures					
Description of first ai	id measures				
Skin contact		ove all contaminated cloth h plenty of soap and water		ear immediately unless stuck to skin.	
Eye contact	Consult a doctor. Tran 15 minutes.	sfer to hospital for special	ist examinatio	on. Bathe the eye with running water for	
Ingestion	Consult a doctor. Do r Wash out mouth with v	-	scious, give h	alf a litre of water to drink immediately.	
Inhalation	No data available.				
Most important symp	otoms and effects, both a	cute and delayed			
Skin contact	There may be mild irri	tation at the site of contact	. <u>.</u>		
Eye contact	•	damage. The eyes may v d redness. There may be	•	ly. The vision may become blurred.	
Ingestion	Nausea and stomach	pain may occur. There ma	y be sorenes	s and redness of the mouth and throat.	
Inhalation	Nausea and stomach in the chest.	pain may occur. There ma	y be irritation	of the throat with a feeling of tightness	
Delayed / immediate effects	Immediate effects can	be expected after short-te	erm exposure	. Nausea and stomach pain may occur.	
ndication of any imn	nediate medical attention	and special treatment ne	eded		
mmediate / special treatm	ent				
Do not induce vomitir	ng. Eye bathing equipmer	t should be available on th	ne premises.		
Fire-fighting measure	es				
Extinguishing media					
Suitable extinguishing	g media for the surroundir	ng fire should be used. Us	e water spray	to cool containers.	
Special hazards arisi	ng from the substance o	r mixture			
Exposure hazards					
In combustion emits t	oxic fumes.				
Advice for fire-fighte	rs				
Wear protective cloth	ing to prevent contact wit	h skin and eyes. Wear sel	f-contained b	reathing apparatus.	
Accidental release m	easures				
Personal precautions	ersonal precautions, protective equipment and emergency procedures				
Personal precautions	rsonal precautions				
•		protective clothing - see se less to unauthorised perso		S. Do not create dust. Mark out the	
	5 1				

Do not discharge into drains or rivers.

6.3 Methods and material for containment and cleaning up

Clean-up procedures

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### Safety Data Sheet

www.glentham.com

6.4	Reference to other sections			
	Refer to section 8 of S	SDS.		
7.	Handling and storage			
7.1	Precautions for safe handling			
	Handling requirements			
	Avoid direct contact w area.	ith the substance. Avoid the formation or spread of dust in the air. Ensure there is sufficient ventilation of the		
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.		
	Eye protection	Tightly fitting safety goggles. Ensure eye bath is to hand.		
	Skin protection	Protective clothing.		
9.	Physical and chemica	al properties		
9.1	Information on basic	physical and chemical properties		
	Physical state	Solid		

Physical state	Solia
Colour	White
Odour	No data available.
Melting point/Freezing point	245 °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	5.0  ightarrow 6.0
Kinematic viscosity	No data available.
Solubility	455 g/L @ 20 °C
Partition coefficient n-octanol/water	No data available.
Vapour pressure	No data available.
Density/relative density	1.413
Relative vapour pressure	No data available.
Particle characteristics	No data available.
Other information	

No data available.

#### 10. Stability and reactivity

#### 10.1 Reactivity

Stable under recommended transport or storage conditions.

9.2

### Safety Data Sheet

www.glentham.com

10.2	Chamical stability			
10.2	Chemical stability			
10.3	Stable under normal o			
10.5	<ul> <li>Possibility of hazardous reactions</li> <li>Hazardous reactions</li> </ul>			
		ccur on exposure to conditions or materials listed below. Hazardous reactions will not occur under normal		
	transport or storage co			
10.4	Conditions to avoid			
	Heat.			
10.5	Incompatible material	IS		
	Materials to avoid			
	Strong acids. Strong o	oxidising agents.		
11.	Toxicological informa	tion		
11.1	Information on toxico	logical 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 2A)			
d)	Respiratory or skin se			
-,	No data available.			
e)	Germ cell mutagenici	ty		
	No data available.			
f)	Carcinogenicity			
	No data available.			
g)	Reproductive toxicity			
	No data available.			
h)	STOT-single exposure	e		
n	No data available.			
i)	STOT-repeated exposes No data available.	ure		
j)	Aspiration hazard			
27	No data available.			
	Symptoms / routes of	exposure		
	Skin contact	There may be mild irritation at the site of contact.		
	Eye contact	May cause permanent damage. The eyes may water profusely. The vision may become blurred. There may be pain and redness. There may be severe pain.		
	Ingestion	Nausea and stomach pain may occur. There may be soreness and redness of the mouth and throat.		
	Inhalation	Nausea and stomach pain may occur. 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. Nausea and stomach pain may occur.		
	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.

### Safety Data Sheet

www.glentham.com

11.2.2	Other information	
11.2.2	Other information	
40	No additional information	
12. 12.1	Ecological information	
12.1		
12.2	No data available.	
12.2	Persistence and degradability	
12.3	Biodegradable.	
12.5	Bioaccumulative potential	
42.4	No bioaccumulation potential.	
12.4	Mobility in soil	
40.5	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 reg	garding 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) 1907/2 Regulation (EU) 2020/878.	006, amended by Commission
	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	
	H319 Causes serious eye irritation	
	Abbreviations Full Texts	

### Safety Data Sheet

#### www.glentham.com

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

## 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.

Copyright © 2023 Glentham Life Sciences Limited. All rights reserved.