

Safety Data Sheet

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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 :	GE1934	
	Product name :	Lithium chloride	
	CAS number :	7447-41-8	
	EINECS :	231-212-3	
	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 use	s of the substance or mixture and uses advised against	
	PC21: Laboratory chem	nicals.	
1.3	Details of the supplier	of the safety data sheet	
	Company name :	Glentham Life Sciences Ltd Telephone : +44 (0) 1225 667 798	

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	:	info@glentham.com
	United Kingdom	Web	:	www.glentham.com
	Officed Kingdoff	WED	•	www.gientnam.co

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

H302	Acute Tox. 4
H315	Skin Irr. 2
H319	Eye Irr. 2A

2.2 Label elements

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

Pictograms



Signal words	Warning
Hazard statements	
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
Precautionary statements	S
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: call a POISON CENTER/doctor/ IF you feel unwell.
P302+P352	IF ON SKIN: wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P264	Do not breathe fume.
Other hazards	
PBT	
This substance is not ident	ified as a PBT substance.

3.0 Composition/information on ingredients

2.3

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3.1 Substances

4.

Name	Identifier	%	Classification	
Lithium chloride	CAS: 7447-41-8 EC: 231-212-3 REACH: Not applicable	99.0%	H302, Acute Tox. 4 H315, Skin Irr. 2 H319, Eye Irr. 2A	
First aid measures				
Description of first aid measures				

Skin contact	Consult a doctor. 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. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible. Wash out mouth with water.
Inhalation	Transfer to hospital as soon as possible. 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. There may be pain and redness.
Ingestion	Nausea and stomach pain may occur. There may be difficulty swallowing. There may be soreness and redness of the mouth and throat. There may be vomiting.
Inhalation	Absorption through the lungs can occur causing symptoms similar to those of ingestion. Exposure may cause coughing or wheezing. Nausea and stomach pain may occur. There may be irritation of the throat with a feeling of tightness in the chest. There may be vomiting.
Delayed / immediate effects	Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment

Do not induce vomiting. 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. 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

Do not discharge into drains or rivers.



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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.

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.

Specific end use(s)

7.3

8.1

No data available.

8. Exposure controls/personal protection

Control parameters

Workplace exposure limits

No workplace exposure limit control parameters set

8.2 Exposure controls

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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	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 Colour Odour Melting point/Freezing point Boiling point/initial boiling point/boiling range	Solid White No data available. 610 °C 1360 °C
Flammability	Non flammable
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	569 g/L @ 20 °C
Partition coefficient n-octanol/water	No data available.
Vapour pressure	No data available.
Density/relative density	2.070
Relative vapour pressure	No data available.
Particle characteristics	No data available.

9.2 Other information

No data available.

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10.	Stability and reactivity	
10.1	Reactivity	
	Stable under recommer	nded transport or storage conditions.
10.2	Chemical stability	
	Stable under normal co	nditions.
10.3	Possibility of hazardou	s reactions
	Hazardous reactions	
	Decomposition may occ transport or storage cor	cur on exposure to conditions or materials listed below. Hazardous reactions will not occur under normal nditions.
10.4	Conditions to avoid	
	Heat.	
10.5	Incompatible materials	
	Materials to avoid	
	Strong acids. Strong ox	idising agents.
11.	Toxicological informati	on
11.1	Information on toxicolo	ogical effects
a)	Acute toxicity	
	No data available.	
b)	Skin corrosion/irritation	
c)	Serious eye damage/irr	itation
	Serious eye damage/ey	re irritation (Category 2A)
d)	Respiratory or skin sen No data available.	isitisation
e)	Germ cell mutagenicity No data available.	
f)	Carcinogenicity	
	No data available.	
g)	Reproductive toxicity	
	No data available.	
h)	STOT-single exposure	
	No data available.	
i)	STOT-repeated exposu	re
D	No data available.	
j)	Aspiration hazard No data available.	
	Symptoms / routes of e	XXNOSURE
	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. There may be pain and redness.
	Ingestion	Nausea and stomach pain may occur. There may be difficulty swallowing. There may be soreness and redness of the mouth and throat. There may be vomiting.
	Inhalation	Absorption through the lungs can occur causing symptoms similar to those of ingestion. Exposure may cause coughing or wheezing. Nausea and stomach pain may occur. There may be irritation of the throat with a feeling of tightness in the chest. There may be vomiting.
	Delayed / immediate effects	Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur.



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2019/1021:	
Chemical safety assessment	
	Chemical safety assessment
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.	



Safety Data Sheet

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H-Statement Full Texts		
H302	Harmful if swallowed	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
Abbreviations Fu	II 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	

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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