GX9343 v3.0

# Glentham

## 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 Product name CAS number Physical form REACH	<ul> <li>GX9343</li> <li>Barium nitrate, 99.95%</li> <li>10022-31-8</li> <li>solid, substance</li> <li>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.</li> </ul>	
1.2	Relevant identified uses of the substance or mixture and uses advised against		
	PC21: Laboratory che	emicals.	
1.3	Details of the supplier of the safety data sheet		
	Company name	: Glentham Life Sciences LtdTelephone: +44 (0) 1225 667 798Unit 5 Leafield WayFax: +44 (0) 2033 978 909Corsham SN13 9SWEmail: info@glentham.comUnited KingdomWeb: www.glentham.com	
1.4	Emergency telephone	e number	
	Emergency telephone number	e : NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours), +44 (0) 1225 667 798 (09.00 – 17.00 GMT)	
2.	Hazards identification	1	
2.1	Classification of the substance or mixture		
Classification under CLP according to (EC) 1272/2008		ccording to (EC) 1272/2008	
	H272	Ox. Sol. 2	
	H302	Acute Tox. 4	
	H319	Eye Irr. 2A	
	H332	Acute Tox. 4	

### 2.2 Label elements

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

Pictograms



Signal words	Danger
Hazard statements	
H272	May intensify fire: oxidizer
H302	Harmful if swallowed
H319	Causes serious eye irritation
H332	Harmful if inhaled
Precautionary statements	
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources No smoking.
P220	Keep away from clothing and other combustible materials.
P221	Take any precaution to avoid mixing with combustibles/
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
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	

### 2.3 Other hazards

PBT

This substance is not identified as a PBT substance.

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Substances	Substances						
Name		Identifier	%	Classification			
Barium nitrate, 99.95%		CAS: 10022-31-8 EC: REACH: Not applicable	1	H272, Ox. Sol. 2 H302, Acute Tox. 4 H319, Eye Irr. 2A H332, Acute Tox. 4			
First aid measure	s						
Description of fire	st aid measures						
Skin contact	still on skin. Ren	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 15 minutes.	. Transfer to hospital for spec	ialist examin	ation. Bathe the eye with running water fo			
lu u sti su	Consult a doctor						
Ingestion	Wash out mouth		onscious, give	e half a litre of water to drink immediately.			
Ingestion	Wash out mouth	with water.		e half a litre of water to drink immediately. g one's own safety whilst doing so.			
Inhalation	Wash out mouth Consult a doctor	with water.		-			
Inhalation	Wash out mouth Consult a doctor ymptoms and effects, t	with water. . Remove casualty from expo both acute and delayed	sure ensurin	-			
Inhalation Most important s	Wash out mouth Consult a doctor <b>ymptoms and effects, t</b> There may be irr contact. May cause perm	with water. . Remove casualty from expo poth acute and delayed itation and redness at the site nanent damage. The eyes ma	e of contact. ⊺ y water profu	g one's own safety whilst doing so.			
Inhalation Most important s Skin contact	Wash out mouth Consult a doctor ymptoms and effects, t There may be irr contact. May cause perm There may be irr	with water. . Remove casualty from exponent <b>both acute and delayed</b> itation and redness at the site manent damage. The eyes man itation and redness. There man mach pain may occur. There	e of contact. T y water profu ay be pain ar	g one's own safety whilst doing so. There may be mild irritation at the site of sely. The vision may become blurred.			

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

Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Water spray.

#### 5.2 Special hazards arising from the substance or mixture

Exposure hazards

In combustion emits toxic fumes. Oxidising.

#### 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

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Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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. Remove all incompatible materials as outlined in section 10 of SDS. Refer to section 8 of SDS for personal protection details.

#### 6.2 Environmental precautions

Do not discharge into drains or rivers.

### 6.3 Methods and material for containment and cleaning up

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

Clean-up procedures

#### 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 exhaust ventilation of the area. 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. Avoid incompatible materials and conditions - see section 10 of SDS. 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 exhaust ventilation of the area. 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. Safety glasses.
Skin protection	Protective clothing.

#### 9. Physical and chemical properties

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

Physical state	Solid
Colour	No data available.
Odour	No data available.
Melting point/Freezing point	595 °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.

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Kinematic viscosity
Solubility
Partition coefficient n-octanol/water
Vapour pressure
Density/relative density
Relative vapour pressure
Particle characteristics

#### 9.2 Other information

No data available.

#### 10. Stability and reactivity

#### 10.1 Reactivity

Stable under recommended transport or storage conditions.

#### <sup>10.2</sup> 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.

No data available. 94 g/L @ 20 °C No data available. No data available. No data available. No data available. No data available.

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

Heat.

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

#### Materials to avoid

Carbon dioxide. Organic materials. Strong acids. Strong oxidising agents.

#### **11.** Toxicological information

#### <sup>11.1</sup> 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 2A)
- d) Respiratory or skin sensitisation No data available.
- 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 exposure No data available.
- J) Aspiration hazardNo data available.

Symptoms / routes of exposure

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Skin contact	There may be irritati contact.	ion and redness at the s	ite of contact. There may b	e mild irritation at the site of
Eye contact			nay water profusely. The vi may be pain and redness.	sion may become blurred. There may be severe pain.
Ingestion	Nausea and stomac There may be vomit		e may be soreness and rec	lness of the mouth and throat.
Inhalation	Nausea and stomac in the chest. There r		e may be irritation of the th	roat with a feeling of tightness
Delayed / immedia effects	Delayed cheels can	be expected after long- e. Nausea and stomach		effects can be expected after
Other information	No data available.			
Information on	other hazards			
Endocrine disrup	ting properties			
This product do	es not contain known or susp	pected endocrine disrup	tors according to REACH o	or relevant EU Regulations.
Other information	ı			
No additional in	ormation			
Ecological infor	mation			
Toxicity				
No data availab	e.			
Persistence and	l degradability			
Biodegradable.				
Bioaccumulativ	e potential			
No bioaccumula	tion potential.			
Mobility in soil				
Readily absorbe	ed into soil.			
Results of PBT	and vPvB assessment			
This substance	is not identified as a PBT sul	bstance.		
Endocrine disru	pting properties			
	is not identified as having en	ndocrine disruptina prop	erties	
Other adverse e				
No data availab				
Disposal consid	lerations			
Waste treatmen	t methods			
Disposal operations				
Transfer to a su	itable container and arrange	for collection by specia	ised disposal company.	
<mark>NB</mark> The user's atten	tion is drawn to the possible	existence of regional o	national regulations regard	ding disposal.
Transport inform	nation			
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
	1111111		11011446	11111111

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14.2. UN proper shipping nam				
BARIUM NITRATE	BARIUM NITRATE	Barium nitrate	BARIUM NITRATE	BARIUM NITRATE
Transport document descript	ion			
UN1446 BARIUM	UN1446 BARIUM	UN1446 Barium	UN1446 BARIUM	UN1446 BARIUM
NITRATE, 5.1 (6.1), II	NITRATE, 5.1 (6.1), II	nitrate, 5.1 (6.1), II	NITRATE, 5.1 (6.1), II	NITRATE, 5.1 (6.1), I
14.3. Transport hazard class(	es)			
5.1 (6.1)	5.1 (6.1)	5.1 (6.1)	5.1 (6.1)	5.1 (6.1)
51 6	51 6	<b>0</b> 51 6	51 S	
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
No	No	No	No	No

#### 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**

H272	May intensify fire: oxidizer
H302	Harmful if swallowed
H319	Causes serious eye irritation
H332	Harmful if inhaled

#### **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

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EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC LTEL NOEC OECD PBT PPE REACH RID SC SDS STEL STOT	Effective Concentration 50% European List of Notified Chemical Substances European Inventory of Existing Commercial Chemical Substances Globally Harmonised System Health & Safety Executive UK International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code Intraperitoneal Intravascular Lethal Dose 50% Lowest Observable Effective Concentration Long Term Exposure Limit No Observable Effective Concentration Organisation for Economic Cooperations and Development Persistent Bioaccumulative Toxic Personal Protective Equipment Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations Concerning the International Carriage of Dangerous Goods by Rail Subcutaneous Safety Data Sheet Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
VOC vPvB	Volatile Organic Compounds 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.

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