GX5259 v2.0



## Safety Data Sheet

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

#### Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

1.

1.2

Product code	: GX5259
Product name	: Cesium fluoride, 99.9%
CAS number	: 13400-13-0
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.

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	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

#### 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

	• • •
H301	Acute Tox. 3
H311	Acute Tox. 3
H315	Skin Irr. 2
H318	Eye Dam. 1
H331	Acute Tox. 3
H361	Repr. 2

#### 2.2 Label elements

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

#### Pictograms



Dangar

Signal words	Danger
Hazard statements	
H301	Toxic if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H331	Toxic if inhaled
H361	Suspected of damaging fertility or the unborn child
EUH032	Contact with acids liberates very toxic gas.
Precautionary statements	
P201	Obtain special instructions before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/
P302+P352	IF ON SKIN: wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and
	easy to do - continue rinsing.

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P264	Do not breathe fume.
P261	Avoid breathing dust.
Other hazards	

РВТ

2.3

4.1

This substance is not identified as a PBT substance.

3.0	Com	positio	n/infor	mation	on	ingredients

#### 3.1 Substances

Name	Identifier	%	Classification
Cesium fluoride, 99.9%	CAS: 13400-13-0 EC: REACH: Not applicable	99.9%	H301, Acute Tox. 3 H311, Acute Tox. 3 H315, Skin Irr. 2 H318, Eye Dam. 1 H331, Acute Tox. 3 H361, Repr. 2

#### 4. 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. Transfer to hospital if there are burns or symptoms of poisoning.
Eye contact	Consult a doctor. Transfer to hospital for specialist examination. Bathe the eye with running water fo 15 minutes.
Ingestion	Consult a doctor. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If consciou give half a litre of water to drink immediately. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible. Wash out mouth with water.
Inhalation	If breathing becomes bubbly, have the casualty sit and provide oxygen if available. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible. Consult a doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed

Skin contact	Absorption through the skin may be fatal. Blistering may occur. Irritation or pain may occur at the site of contact. Progressive ulceration will occur if treatment is not immediate. There may be irritation and redness at the site of contact. There may be redness or whiteness of the skin in the area of exposure.
Eye contact	Corneal burns may occur. May cause permanent damage. The eyes may water profusely. There may be irritation and redness. There may be severe pain.
Ingestion	Blood may be vomited. Convulsions may occur. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be bleeding from the mouth or nose. There may be loss of consciousness. 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. Convulsions may occur. 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 loss of consciousness. There may be shortness of breath with a burning sensation in the throat. There may be vomiting.
Delayed / immediate effects	Convulsions may occur. Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur. There may be bleeding from the mouth or nose. There may be loss of consciousness.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment



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Do not induce vomiting. Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. 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. Use water spray to cool containers.

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

#### Exposure hazards

Corrosive. In combustion emits toxic fumes. Toxic.

#### 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 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. Notify the police and fire brigade immediately. Refer to section 8 of SDS for personal protection details.

#### 6.2 Environmental precautions

Do not discharge into drains or rivers.

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

#### Clean-up procedures

6.3

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. Absorb into dry earth or sand.

#### 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. 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	Particle filter class P1 (EN143). Respiratory protective device with particle filter. Self- contained breathing apparatus must be available in case of emergency.
Hand protection	Importante de la constructiva de la construcción de la construcción de la construcción de la construcción de la

Hand protection Impermeable gloves. Protective gloves.

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Eye pro	tection	Ensure eye bath is to han glasses.	d. Safety glasses with side-shields. Tightly fitting safety goggles. Safety
Skin pro	otection	Protective clothing.	
Physica	I and chemi	ical properties	
Informa	tion on basi	ic physical and chemical prop	erties
Phys	ical state		Solid
Color	Jr		White
Odou			No data available.
	ng point/Fre		No data available.
		al boiling point/boiling range	No data available.
	mability		No data available.
	er/Upper exp	olosion limit	No data available.
	n Point		No data available.
	ignition tem		No data available.
	mposition te	emperature	No data available. No data available.
pH Kiner	natic viscos	ity	No data available.
Solut		ity	No data available.
		ent n-octanol/water	No data available.
	ur pressure		No data available.
	ity/relative c		No data available.
	ive vapour p		No data available.
	cle characte		No data available.
Other in	formation		
No data	available.		
Stability	and reactiv	vity	
Reactiv	ity		
Stable u	Inder recom	mended transport or storage c	onditions.
Chemic	al stability		
Stable ι	inder norma	l conditions.	
Possibi	lity of hazar	dous reactions	
	s reactions		
	oosition may rt or storage		ns or materials listed below. Hazardous reactions will not occur under norma
Conditio	ons to avoid	l	
Heat.			
Incomp	atible mater	ials	
Materials	to avoid		
Strong a	acids. Strono	g oxidising agents.	
3 -			

#### 11. Toxicological information

#### 11.1 Information on toxicological effects

Acute toxicity No data available.

- b) Skin corrosion/irritation Skin corrosion/irritation (Category 2)
- c) Serious eye damage/irritation Serious eye damage/eye irritation (Category 1)
- d) Respiratory or skin sensitisation No data available.
- e) Germ cell mutagenicity

a)

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	No data available.				
	Carcinogenicity No data available.				
	Reproductive toxicity Reproductive toxicity (Category 2)				
	STOT-single exposure				
	STOT-repeated exposu	ire			
No data available.					
Aspiration hazard					
	No data available.				
.2	Symptoms / routes of exposure				
	Skin contact	Absorption through the skin may be fatal. Blistering may occur. Irritation or pain may occur at the site of contact. Progressive ulceration will occur if treatment is not immediate. There may be irritation and redness at the site of contact. There may be redness or whiteness of the skin in the area of exposure.			
	Eye contact	Corneal burns may occur. May cause permanent damage. The eyes may water profusely. There may be irritation and redness. There may be severe pain.			
	Ingestion	Blood may be vomited. Convulsions may occur. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be bleeding from the mouth or nose. There may be loss of consciousness. 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. Convulsions may occur. 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 loss of consciousness. There may be shortness of breath with a burning sensation in the throat. There may be vomiting.			
	Delayed / immediate effects	Convulsions may occur. Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur. There may be bleeding from the mouth or nose. There may be loss of consciousness.			
	Other information	No data available.			
2	Ecological information				
1	Toxicity				
	No data available.				
2	Persistence and degra	dability			
	Biodegradable.				
.3	Bioaccumulative poten	tial			
	No bioaccumulation po	tential.			
.4	Mobility in soil				
	Readily absorbed into s	soil.			
.5	Results of PBT and vP	vB assessment			
	This substance is not ic	lentified as a PBT substance.			
2.6	Endocrine disrupting p	properties			
	This substance is not ic	lentified as having endocrine disrupting properties			
2.7	Other adverse effects				
	No data available.				
3.	Disposal consideration	15			
.1	Waste treatment metho				



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#### **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

ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.1. UN number					
UN3288	UN3288	UN3288	UN3288	UN3288	
14.2. UN proper shipping name					
TOXIC SOLID, INORGANIC, N.O.S.	TOXIC SOLID, INORGANIC, N.O.S.	Toxic solid, inorganic, n.o.s.	TOXIC SOLID, INORGANIC, N.O.S.	TOXIC SOLID, INORGANIC, N.O.S.	
Transport document description					
UN3288 TOXIC SOLID, INORGANIC, N.O.S. (CESIUM FLUORIDE, 99.9%), 6.1, III	UN3288 TOXIC SOLID, INORGANIC, N.O.S. (CESIUM FLUORIDE, 99.9%), 6.1, III	UN3288 Toxic solid, inorganic, n.o.s. (Cesium fluoride, 99.9%), 6.1, III	UN3288 TOXIC SOLID, INORGANIC, N.O.S. (CESIUM FLUORIDE, 99.9%), 6.1, III	UN3288 TOXIC SOLID, INORGANIC, N.O.S. (CESIUM FLUORIDE, 99.9%), 6.1, III	
14.3. Transport hazard class(es)					
6.1	6.1	6.1	6.1	6.1	
6	6	6	6	6	
14.4. Packing group					
III	III	III	III	III	
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 mi
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This Safety Data Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commission Regulation (EU) 2020/787.

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, placin on the market and use of certain dangerous substances:	g 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** 

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H301 H311 H315 H318 H331	Toxic if swallowed Toxic in contact with skin Causes skin irritation Causes serious eye damage Toxic if inhaled					
H361	Suspected of damaging fertility or the unborn child					
Abbreviations Full Texts						
Abbreviations Full ADN ADR ALARP CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC LTEL NOEC OECD PBT PPE REACH RID SC SDS	Texts         European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways         European Agreement concerning the International Carriage of Dangerous Goods by Road         As low as is reasonably practicable         Chemical Abstracts Service         Classification, Labelling and Packaging Regulations         Control of Substances Hazardous to Health         European Community Number         Effective Concentration 50%         European List of Notified Chemical Substances         European Inventory of Existing Commercial Chemical Substances         Globally Harmonised System         Health & Safety Executive UK         Intranuscular         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         Regulations, Evaluation, Authorisation and Restriction of Chemicals         Regulations Concerning the International Carriage of Dangerous Goods by Rail         Subcutaneous         Safety Data Sheet					
STEL VOC vPvB WEL	Short Term Exposure Limit Volatile Organic Compounds Very Persistent and Very Bioaccumulative					
VVEL	Workplace Exposure Limits					

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