GX6555 v2.0



Safety Data Sheet

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

	According to REAC	r regulations (EC) 1907/2006 and (EC) 2020/878		
1.	Identification of the substance/mixture and of the company/undertaking			
1.1	Product identifier			
	Product code Product name CAS number EINECS Physical form REACH	 GX6555 Iron(II,III) oxide nanopowder (Magnetite); 98% [20 - 30 nm] 1317-61-9 215-277-5 solid, substance - nanoform 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	l uses of the substance or mixture and uses advised against		
	PC21: Laboratory c	chemicals.		
1.3	-	lier 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 telepho	one number		
	Emergency telepho number	one : NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours), +44 (0) 1225 667 798 (09.00 – 17.00 GMT)		
2.	Hazards identificati	ion		
2.1	Classification of the	ne substance or mixture		
	Classification under CL	P according to (EC) 1272/2008		
	This product has no	o classification under CLP.		
2.2	Label elements			
	Label elements under Cl	CLP according to (EC) 1272/2008		
	This product has no	o label elements.		
2.3	Other hazards			
	РВТ			
	This substance is n	not identified as a PBT substance.		
3.0	Composition/inform	mation on ingredients		
	-			

3.1 Substances

Name	Identifier	%	Classification
Iron(II,III) oxide nanopowder (Magnetite); 98% [20 - 30 nm]	CAS: 1317-61-9 EC: 215-277-5 REACH: Not applicable	98.0%	Not classified

4. First aid measures

4.1 Description of first aid measures

Skin contact	Wash immediately with plenty of soap and water.
Eye contact	Bathe the eye with running water for 15 minutes.
Ingestion	Wash out mouth with water.
Inhalation	Consult a doctor.

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4.2 Most important symptoms and effects, both acute and delayed

Skin contact	There may be mild irritation at the site of contact.
Eye contact	There may be irritation and redness.
Ingestion	There may be irritation of the throat.
Inhalation	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.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment

No data available.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used.

Special hazards arising from the substance or mixture

Exposure hazards

5.2

6.3

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

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

Wash the spillage site with large amounts of water.

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 the formation or spread of dust in the air.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s)

Storage conditions

No data available.

8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

No workplace exposure limit control parameters set

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8.2 Exposure controls

Engineering measures	No data available.
Respiratory protection	Respiratory protective device with particle filter.
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	Solid
Colour	Brown
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.
рН	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

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

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	No data available.		
d)		noition	
u)	Respiratory or skin sensitisation No data available.		
e)	Germ cell mutagenicit	у	
	No data available.		
f)	Carcinogenicity		
-	No data available.		
g)	Reproductive toxicity No data available.		
h)	STOT-single exposure		
	No data available.		
i)	STOT-repeated expos	ure	
	No data available.		
j)	Aspiration hazard No data available.		
11.2	Symptoms / routes of	exposure	
	Skin contact	There may be mild irritation at the site of contact.	
	Eye contact	There may be irritation and redness.	
	Ingestion	There may be irritation of the throat.	
	Inhalation	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.	
	Other information	No data available.	
12.	Ecological information	1	
12.1	Toxicity		
	No data available.		
12.2	Persistence and degra	adability	
	Biodegradable.		
12.3	Bioaccumulative pote		
	No bioaccumulation po	otential.	
12.4	Mobility in soil		
	No data available.		
12.5	Results of PBT and vF		
42.6		dentified as a PBT substance.	
12.6			
12.7	Other adverse effects	dentified as having endocrine disrupting properties	
	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.	

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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
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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, 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) NoNo data available.

2019/1021: 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

Abbreviations Full Texts

~	bileviations i un	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
	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.