

Safety Data Sheet

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

	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 name	 GX1021 alpha-Aluminium oxide N 1344-28-1 solid, substance - nanofc A registration number is are exempted from regist the registration is envised 	orm not availab tration, the	le for this sub annual tonna	age (does not re		
1.2	Relevant identified use	es of the substance or mixt	ure and us	es advised a	gain	st		
	PC21: Laboratory cher	nicals.						
.3	Details of the supplier of the safety data sheet							
	Company name	: Glentham Life Sciences Unit 5 Leafield Way Corsham SN13 9SW United Kingdom	Ltd	Telephone Fax Email Web	:	+44 (0) 2 info@gle	225 667 798 2033 978 909 ntham.com ntham.com	
.4	Emergency telephone	Emergency telephone number						
	Emergency telephone number	: NHS Direct 111 (UK, 24	hours), 112	2 (EU, 24 Hoi	urs),	+44 (0) 12	225 667 798 (09.00 – 17.00 GMT)	
	Hazards identification							
.1	Classification of the substance or mixture							
	Classification under CLP acc							
	This product has no classification under CLP.							
.2	Label elements							
	Label elements under CLP a							
	This product has no lat	pel elements.						
3	Other hazards							
	PBT							
	This substance is not identified as a PBT substance.							
.0	Composition/informati	on on ingredients						
.1	Substances							
	Name		Identifie	r	%		Classification	
	alpha-Aluminium oxic	de Nanopowder, 99,85 %	CAS: 13 EC: REACH applicab	: Not	99	.85%	Not classified	
-	First aid measures							
.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 wate	er.					

Inhalation Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

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	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	Indiantian of any immediate	
4.3	Indication of any imme	ediate medical attention and special treatment needed
	No data available.	
5.	Fire-fighting measures	S
5.1	Extinguishing media	
	Suitable extinguishing	media for the surrounding fire should be used.
5.2	Special hazards arisin	g from the substance or mixture
	Exposure hazards	
	In combustion emits to	xic fumes.
5.3	Advice for fire-fighters	6
	Wear protective clothin	ng to prevent contact with skin and eyes. Wear self-contained breathing apparatus.
6.	Accidental release me	asures
6.1	Personal precautions,	protective equipment and emergency procedures
	Personal precautions	
	Refer to section 8 of S	DS for personal protection details.
6.2	Environmental precau	tions
	Do not discharge into o	drains or rivers.
6.3	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 see	
	Refer to section 8 of S	DS.
7.	Handling and storage	
7.1	Precautions for safe h	andling
	Handling requirements	
	Avoid the formation or	spread of dust in the air.
7.2	Conditions for safe ste	orage, including any incompatibilities
	Storage conditions	
	Avoid contact with wat	er or humidity. Keep container tightly closed. Store in cool, well ventilated area.
7.3	Specific end use(s)	
	No data available.	
8.	Exposure controls/per	rsonal protection
8.1	Control parameters	
	Workplace exposure limits	

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Substance (CAS)	Control Parameter		Value	Notes	Source
Aluminium oxides inhalable dust respiral dust (1344-28-1)	ble Long-term Exposu	re Limit (mg m ⁻³)	10,4		UK HSE EH40/2005
Exposure controls					
Engineering measures	No data available.				
Respiratory protection	Respiratory protective dev	ice with particle filter.			
Hand protection	Protective gloves.				
Eye protection	Ensure eye bath is to hand	d. Safety glasses.			
Skin protection	Protective clothing.				
Physical and chemical	properties				
Information on basic pl	hysical and chemical prope	erties			
Physical state Colour Odour Melting point/Freezin Boiling point/initial bo Flammability Lower/Upper explosi Flash Point Auto-ignition tempera Decomposition temp pH Kinematic viscosity Solubility Partition coefficient n Vapour pressure Density/relative dens Relative vapour press Particle characteristic Other information No data available.	oiling point/boiling range on limit ature erature n-octanol/water sity sure	Solid White No data available. No data available. 20 "g/L @ 20 °C No data available. No data available. No data available. No data available. No data available. No data available. No data available.			
Stability and reactivity					
Stability and reactivity Reactivity					
-	nded transport or storage co	onditions.			
Chemical stability					
Stable under normal co	nditions.				
Possibility of hazardou	s reactions				
Hazardous reactions					
Decomposition may occ transport or storage cor	cur on exposure to condition nditions.	ns or materials listed l	below. Hazardo	us reactions will	not occur under normal
Conditions to avoid					
Heat.					
Incompatible materials					
Materials to avoid					
Strong acids. Strong ox	idising agents.				
Toxicological informati	on				

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a)	Acute toxicity				
	LD50 Rat (Oral): >500	halable dust respirable dust			
	LD30 Nat (Ofal)300	ou mg/kg			
b)	Skin corrosion/irritati	ion			
	No data available.				
c)	Serious eye damage/ No data available.	irritation			
d)	Respiratory or skin s	oneitisation			
-,	No data available.				
e)	Germ cell mutagenici	ity			
	No data available.				
f)	Carcinogenicity				
	No data available.				
g)	Reproductive toxicity	/			
	No data available.				
h)	STOT-single exposur	e			
n	No data available.				
i)	STOT-repeated exposence No data available.	sure			
j)	Aspiration hazard				
	No data available.				
	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.			
11.2	Information on other	hazards			
11.2.1	Endocrine disrupting p	roperties			
	This product does not	t contain known or suspected endocrine disruptors according to REACH or relevant EU Regulations.			
11.2.2	Other information				
	No additional informa	tion			
12.	Ecological information	on la constante de la constante			
12.1	Toxicity				
	No data available.				
12.2	Persistence and degr	radability			
	Biodegradable.				
12.3	Bioaccumulative pote	ential			
	No bioaccumulation p	ootential.			
12.4	Mobility in soil				
	No data available.				
12.5	Results of PBT and v	PvB assessment			

This substance is not identified as a PBT substance.



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^{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 regarding 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) 1907/2006, 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

Abbreviations Full Texts

A D M	
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
—	



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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

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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.

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