

Safety Data Sheet

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

According to REA	CH Regu	Ilations (EC) 1907/2006	5 and (EU) 2020/878			
Identification of th	ne substa	ance/mixture and of the	company/undertaking			
Product identifier						
Product code Product name CAS number Physical form REACH	: T : 7 : so : A a	re exempted from regis	orm not available for this sul	age o	loes no	the substance or its uses ot require a registration or
Relevant identifie	d uses of	f the substance or mixt	ure and uses advised a	gain	st	
PC21: Laboratory	chemica	ls.				
Details of the sup	plier of tl	he safety data sheet				
Company name	U C	Blentham Life Sciences Init 5 Leafield Way Corsham SN13 9SW Inited Kingdom	Ltd Telephone Fax Email Web	:	+44 ((info@	0) 1225 667 798 0) 2033 978 909 glentham.com glentham.com
Emergency teleph	none num	nber				
Emergency teleph number	ione: N	IHS Direct 111 (UK, 24	hours), 112 (EU, 24 Ho	urs),	+44 (0) 1225 667 798 (09.00 – 17.00 GMT)
Hazards identifica	ation					
Classification of t	he subst	ance or mixture				
Classification under C	LP accordi	ng to (EC) 1272/2008				
H228	Flan	n. Sol. 1				
Label elements						
Label elements under	CLP accord	ding to (EC) 1272/2008				
Signal words Hazard statemen	Its	Danger				
H228		Flammable solid				
Precautionary st P210 P241	atements	Keep away from he	eat, hot surface, sparks, of electrical equipment.	ope	n flame	es and other ignition sources No smoking.
Other hazards						
РВТ						
This substance is	not ident	ified as a PBT substand	ce.			
Composition/info	rmation o	on ingredients				
Substances						
			Identifier	%		Classification
Name						

First aid measures 4.

4.1 Description of 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.

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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.
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.
Most important symp	otoms 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	Delayed effects can be expected after long-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment

Do not induce vomiting.

5. Fire-fighting measures

5.1 Extinguishing media

4.2

5.2

Alcohol resistant foam. Carbon dioxide. Dry chemical powder. Water spray.

Special hazards arising from the substance or mixture

Exposure hazards

Highly flammable. In combustion emits toxic fumes. May form flammable / explosive dust-air mixture.

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

Eliminate all sources of ignition. 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.

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. Do not use equipment in clean-up procedure which may produce sparks.

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. Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Ensure lighting and electrical equipment are not a source of ignition. Keep away from sources of ignition. Keep container tightly closed. Prevent the build up of electrostatic charge in the immediate area. Store in cool, well ventilated area.

7.3 Specific end use(s)



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No data available.

Control parameters					
Workplace exposure limits					
Substance (CAS)	Control Parameter		Value	Notes	Source
Tantalum (7440-25-7)	Long-term Exposu	re Limit (mg m ⁻³)	5		UK HSE EH40/2005
	Short-term Exposu	re Limit (mg m ⁻³)	10		
Exposure controls					
Engineering measures	Ensure lighting and electri ventilation of the area.	cal equipment are no	t a source of ign	ition. Ensure the	ere is sufficient
Respiratory protection	Respiratory protective dev	ice with particle filter			
Hand protection	Protective gloves.				
Eye protection	Ensure eye bath is to hand. Safety glasses.				
Skin protection	Protective clothing.				
Physical and chemical	properties				
Information on basic pl	nysical and chemical prope	erties			
Physical state		Solid			
Colour		Grey			
Odour		No data available			
Melting point/Freezin		3017 °C			
• ·	oiling point/boiling range	5429 °C			
Flammability		Flammable			
Lower/Upper explosion limit		No data available			
Flash Point		No data available	-		
Auto-ignition temperature		No data available No data available			
Decomposition temperature pH Kinematic viscosity		No data available			
		No data available			
Solubility		43 ng/L @ 21.5 °	-		
Partition coefficient n	-octanol/water	No data available			
Vapour pressure		No data available			
Density/relative dens	sity	16.640			
Bonong/relative derie					
Relative vapour pres	5	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 at room temperature. Stable under normal conditions.

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

10.3



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Flames. Hot surfaces. Sources of ignition. Heat.

^{10.5} Incompatible materials

Materials to avoid

Carbon dioxide. Strong acids. Strong oxidising agents.

11. Toxicological information

11.1 Information on toxicological effects

a) Acute toxicity Tantalum

No data available.

- b) Skin corrosion/irritation No data available.
- c) Serious eye damage/irritation No data available.
- 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.
- Aspiration hazardNo data available.

11.2 Symptoms / routes of exposure

Skin contact	There may be mild irritation at the site of contact.
	There may be mild initiation 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	Delayed effects can be expected after long-term exposure.
Other information	No data available.

- 12. Ecological information
- 12.1 Toxicity

No data available.

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation potential.

^{12.4} Mobility in soil

Readily absorbed into soil.

^{12.5} Results of PBT and vPvB assessment



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This substance is not identified as a PBT substance.

^{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) 2020/787.

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) 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

H228 Flammable solid

Abbreviations Full Texts

ADN ADR	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways 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



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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

This Safety Data Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commission Regulation (EU) 2020/787.

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.