

### Safety Data Sheet

www.glentham.com

#### 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.

Product code	: GK1492
Product name	: Acetonitrile
CAS number	: 75-05-8
EINECS	: 200-835-2
Physical form	: liquid, 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.

#### 1.2 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

H225	Flam. Liq. 2
H302	Acute Tox. 4
H312	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	
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H332	Harmful if inhaled
Precautionary stateme	nts
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P261	Avoid breathing vapors.
P241	Use explosion-proof electrical equipment.
P264	Do not breathe fume.
Other hazards	

2.3

## **Glentham** LIFE SCIENCES

## Safety Data Sheet

www.glentham.com

#### РВТ

This substance is not identified as a PBT substance.

Substances				
Name		Identifier	%	Classification
Acetonitrile		CAS: 75-05-8 EC: 200-835-2 REACH: Not applicable	99.5%	H225, Flam. Liq. 2 H302, Acute Tox. 4 H312, Acute Tox. 4 H319, Eye Irr. 2A H332, Acute Tox. 4
First aid measures				
Description of first a	id measures			
Skin contact	still on skin. Remove all co	ontaminated clothes a	and footwear in	for 10 minutes or longer if substance is nmediately unless stuck to skin. ng. Wash immediately with plenty of
Eye contact	Consult a doctor. Transfer 15 minutes.	to hospital for specia	ilist examinatio	on. Bathe the eye with running water for
Ingestion	unconscious and breathing	g is OK, place in the i	ecovery positi	alf a litre of water to drink immediately. I on. If unconscious, check for breathing al as soon as possible. Wash out mouth
Inhalation	ensure the casualty sits or position. If unconscious, c	lies down. If uncons heck for breathing an isuring one's own saf	cious and brea d apply artifici	e oxygen if available. If conscious, athing is OK, place in the recovery al respiration if necessary. Remove g so. Transfer to hospital as soon as
Most important sym	ptoms and effects, both acute	and delayed		
Skin contact		•	•	y occur at the site of contact. There may or whiteness of the skin in the area of
Eye contact				y. The vision may become blurred. redness. There may be severe pain.
Ingestion				r. There may be irritation of the throat. and redness of the mouth and throat.
Inhalation	may occur. Nausea and st	comach pain may occ here may be loss of o	ur. There may	milar to those of ingestion. Convulsions be irritation of the throat with a feeling . There may be shortness of breath with
Delayed / immediate		alound offerster each be	ovported off	er long-term exposure. Immediate

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

#### Immediate / special treatment

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



## Safety Data Sheet

www.glentham.com

#### 5.1 Extinguishing media

Alcohol resistant 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

Highly flammable. In combustion emits toxic fumes. May form flammable / explosive dust-air mixture. 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. Eliminate all sources of ignition. 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. Turn leaking containers leak-side up to prevent the escape of liquid. Refer to section 8 of SDS for personal protection details.

#### 6.2 Environmental precautions

Contain the spillage using bunding. Do not discharge into drains or rivers.

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

#### Clean-up procedures

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. 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 direct contact with the substance. Avoid the formation or spread of dust in the air. Ensure there is exhaust ventilation of the area. 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

Avoid contact with water or humidity. 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)

No data available.

#### 8. Exposure controls/personal protection

#### 8.1 Control parameters

Workplace exposure limits

# Glentham

### Safety Data Sheet

www.glentham.com

Substance (CAS)	Control Parameter	Value	Notes	Source
Acetonitrile (75-05-8)	Long-term Exposure Limit (ppm)	70	skin	2006/15/EC
	Long-term Exposure Limit (mg m <sup>-3</sup> )	40		
	Long-term Exposure Limit (ppm)	40		UK HSE EH40/2005
	Long-term Exposure Limit (mg m <sup>-3</sup> )	68		
	Short-term Exposure Limit (ppm)	60		
	Short-term Exposure Limit (mg m <sup>-3</sup> )	102		

#### 8.2 Exposure controls

Engineering measures	Ensure lighting and electrical equipment are not a source of ignition. 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	Impermeable gloves. Protective gloves.
Eye protection	Ensure eye bath is to hand. Safety glasses with side-shields. Tightly fitting safety goggles. Safety glasses.
Skin protection	Protective clothing.

#### 9. Physical and chemical properties

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

Physical state	Liquid
Colour	Colourless
Odour	No data available.
Melting point/Freezing point	-45.7 °C
Boiling point/initial boiling point/boiling range	81.6 °C @ Press: 760 Torr
Flammability	Highly flammable liquid and vapour
Lower/Upper explosion limit	No data available.
Flash Point	No data available.
Auto-ignition temperature	524°C
Decomposition temperature	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Fully soluble
Partition coefficient n-octanol/water	No data available.
Vapour pressure	No data available.
Density/relative density	0.787
Relative vapour pressure	No data available.
Particle characteristics	No data available.

#### 9.2 Other information

No data available.

#### 10. Stability and reactivity

#### <sup>10.1</sup> Reactivity

Stable under recommended transport or storage conditions.

#### <sup>10.2</sup> Chemical stability

Stable at room temperature. Stable under normal conditions.

#### Possibility of hazardous reactions

Hazardous reactions

10.3

# Glentham

## Safety Data Sheet

www.glentham.com

Decomposition may occur on exposure to conditions or materials listed below. Hazardous reactions will not occur under normal transport or storage conditions.

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

10.5

b)

Flames. Hot surfaces. Sources of ignition. Heat.

#### Incompatible materials

#### Materials to avoid

Carbon dioxide. Strong acids. Strong oxidising agents.

#### 11. Toxicological information

11.1 Information on toxicological effects

#### a) Acute toxicity

#### Acetonitrile

96 hr LC50 Fathead minnow (Pimphales promelas) (Aquatic): 1000 mg/L 96 hr LC50 Fathead minnow (Pimphales promelas) (Aquatic): 1020 mg/L LD50 Rabbit (Dermal): 980 mg/kg 8 hr LC50 Rat (Inhalation): 7551 ppm LD50 Rat (Oral): 175 mg/kg LD50 Rat (Oral): 200 mg/kg LD50 Guinea pig (Oral): 140 mg/kg **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.

#### 11.2 Symptoms / routes of exposure

Skin contact	Absorption through the skin may be fatal. Irritation or pain may occur at the site of contact. There may be mild irritation at the site of contact. There may be redness or whiteness of the skin in the area of exposure.
Eye contact	May cause permanent damage. The eyes may water profusely. The vision may become blurred. There may be irritation and redness. There may be pain and redness. There may be severe pain.
Ingestion	Convulsions may occur. Nausea and stomach pain may occur. There may be irritation of the throat. 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. 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.

# Glentham

## Safety Data Sheet

www.glentham.com

	effects can be expected at be loss of consciousness.			
Other information	No data available.			
<b>Ecological information</b>				
Toxicity				
No data available.				
Persistence and degrad	lability			
Biodegradable.				
Bioaccumulative poten	tial			
No bioaccumulation pot	ential.			
Mobility in soil				
Readily absorbed into s	oil.			
Results of PBT and vPv	/B assessment			
This substance is not id	entified as a PBT substanc	æ.		
Endocrine disrupting p	roperties			
This substance is not id	entified as having endocrin	e disrupting properties		
Other adverse effects				
No data available.				
Disposal consideration	s			
Disposal consideration				
Waste treatment metho	ds			
	ds			
Waste treatment metho Disposal operations Transfer to a suitable co	ds ontainer and arrange for co	llection by specialised dis	sposal company.	
Waste treatment metho Disposal operations Transfer to a suitable co NB	ontainer and arrange for co			snosal
Waste treatment metho Disposal operations Transfer to a suitable co NB				sposal.
Waste treatment metho Disposal operations Transfer to a suitable co NB	ontainer and arrange for co			sposal.
Waste treatment metho Disposal operations Transfer to a suitable co NB The user's attention is c	ontainer and arrange for co			sposal. RID
Waste treatment method Disposal operations Transfer to a suitable co NB The user's attention is co Transport information	ontainer and arrange for co Irawn to the possible existe	ence of regional or nationa	al regulations regarding dis	
Waste treatment method Disposal operations Transfer to a suitable co NB The user's attention is co Transport information ADR	ontainer and arrange for co Irawn to the possible existe	ence of regional or nationa	al regulations regarding dis	
Waste treatment method Disposal operations Transfer to a suitable constraints NB The user's attention is constraints Transport information ADR 14.1. UN number	ontainer and arrange for co Irawn to the possible existe IMDG UN1648	ence of regional or nationa	al regulations regarding dis	RID
Waste treatment method Disposal operations Transfer to a suitable constraints NB The user's attention is of Transport information ADR 14.1. UN number UN1648	ontainer and arrange for co Irawn to the possible existe IMDG UN1648	ence of regional or nationa	al regulations regarding dis	RID
Waste treatment method Disposal operations Transfer to a suitable con NB The user's attention is con Transport information ADR 14.1. UN number UN1648 14.2. UN proper shipping n	IMDG UN1648 ACETONITRILE	IATA UN1648	al regulations regarding dis	<b>RID</b> UN1648
Waste treatment method Disposal operations Transfer to a suitable constraints The user's attention is constraints The user's attention is constraints Transport information ADR 14.1. UN number UN1648 14.2. UN proper shipping in ACETONITRILE	IMDG UN1648 ACETONITRILE	IATA UN1648	al regulations regarding dis	RID UN1648 ACETONITRILE UN1648
Waste treatment method Disposal operations Transfer to a suitable con NB The user's attention is con Transport information ADR 14.1. UN number UN1648 14.2. UN proper shipping in ACETONITRILE Transport document descrit UN1648	IMDG UN1648 ACETONITRILE UN1648 ACETONITRILE, 3, II	IATA UN1648 Acetonitrile UN1648 Acetonitrile,	ADN UN1648 ACETONITRILE UN1648	RID UN1648 ACETONITRILE UN1648
Waste treatment method Disposal operations Transfer to a suitable constraints The user's attention is constraints The user's attention is constraints Transport information ADR 14.1. UN number UN1648 14.2. UN proper shipping in ACETONITRILE Transport document description UN1648 ACETONITRILE, 3, II	IMDG UN1648 ACETONITRILE UN1648 ACETONITRILE, 3, II	IATA UN1648 Acetonitrile UN1648 Acetonitrile,	ADN UN1648 ACETONITRILE UN1648	RID UN1648 ACETONITRILE UN1648
Waste treatment method Disposal operations Transfer to a suitable of NB The user's attention is of Transport information ADR 14.1. UN number UN1648 14.2. UN proper shipping n ACETONITRILE Transport document descri UN1648 ACETONITRILE, 3, II 14.3. Transport hazard class	IMDG UN1648 ACETONITRILE UN1648 ACETONITRILE (UN1648 ACETONITRILE, 3, II S(es)	IATA UN1648 Acetonitrile UN1648 Acetonitrile, 3, II	ADN UN1648 ACETONITRILE UN1648 ACETONITRILE, 3, II	RID UN1648 ACETONITRILE UN1648 ACETONITRILE, 3, I
Waste treatment method Disposal operations Transfer to a suitable of NB The user's attention is of Transport information ADR 14.1. UN number UN1648 14.2. UN proper shipping n ACETONITRILE Transport document descri UN1648 ACETONITRILE, 3, II 14.3. Transport hazard class	IMDG UN1648 ACETONITRILE UN1648 ACETONITRILE (UN1648 ACETONITRILE, 3, II S(es)	IATA UN1648 Acetonitrile UN1648 Acetonitrile, 3, II	ADN UN1648 ACETONITRILE UN1648 ACETONITRILE, 3, II	RID UN1648 ACETONITRILE UN1648 ACETONITRILE, 3, I

## **Glentham** LIFE SCIENCES

## Safety Data Sheet

www.glentham.com

14.5. Environment	al hazards
No	No No No No
Regulatory infor	rmation
	nvironmental regulations/legislation specific for the substance or mixture
-	
Regulation (EU)	a Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commiss 2020/787.
Authorisations/Rest	rictions
Regulation (E authorisation:	C) 1907/2006, REACH, Annex XIV list of substances subject to No data available.
	C) 1907/2006, REACH, Annex XVII restrictions on the manufacture, placing No data available. t and use of certain dangerous substances:
Regulation (E	C) 1005/2009 on substances that deplete the ozone layer: No data available.
	C) 850/2004 on persistent organic pollutants, amended by (EU) No No data available.
Chemical safety ass	acemant
A chemical safet	ty assessment has not been carried out for the substance or the mixture by the supplier.
Other informatio	DN
H-Statement Ful	II Texts
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H332	Harmful if inhaled
Abbreviations F	ull Texts
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterwa
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ALARP	
	As low as is reasonably practicable
CAS	Chemical Abstracts Service
CAS	Chemical Abstracts Service
CAS CLP COSHH	Chemical Abstracts Service Classification, Labelling and Packaging Regulations Control of Substances Hazardous to Health
CAS CLP COSHH EC Number	Chemical Abstracts Service Classification, Labelling and Packaging Regulations
CAS CLP COSHH EC Number EC50	Chemical Abstracts Service Classification, Labelling and Packaging Regulations Control of Substances Hazardous to Health European Community Number Effective Concentration 50%
CAS CLP COSHH EC Number EC50 EILINCS	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
CAS CLP COSHH EC Number EC50 EILINCS EINECS	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
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS	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
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE	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
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA	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 International Air Transport Association
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM	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 International Air Transport Association Intramuscular
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG	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 International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP	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 International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code Intraperitoneal
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV	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 International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code Intraperitoneal Intravascular
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50	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 International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code Intraperitoneal Intravascular Lethal Dose 50%
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC	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 International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code Intraperitoneal Intravascular Lethal Dose 50% Lowest Observable Effective Concentration
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50	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 International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code Intraperitoneal Intravascular Lethal Dose 50% Lowest Observable Effective Concentration Long Term Exposure Limit
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC	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 International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code Intraperitoneal Intravascular Lethal Dose 50% Lowest Observable Effective Concentration
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC LTEL	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 International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code Intraperitoneal Intravascular Lethal Dose 50% Lowest Observable Effective Concentration Long Term Exposure Limit
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC LTEL NOEC	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 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
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC LTEL NOEC OECD PBT	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 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
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC LTEL NOEC OECD PBT PPE	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 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
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC LTEL NOEC OECD PBT PPE REACH	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 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
CAS CLP COSHH EC Number EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC LTEL NOEC OECD PBT PPE REACH RID	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 International Air Transport Association Intramuscular The International Maritime Dangerous Goods Code Intraperitoneal Intravescular 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
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	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 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
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	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 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
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 STEL	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 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
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 STEL VOC	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 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 Volatile Organic Compounds
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 STEL	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 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



### Safety Data Sheet www.glentham.com

## 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.