GC2179 v2.0



Safety Data Sheet

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

Identification of	the cubetanee/mix	ture and of the	company/undertaking
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1.1 Product identifier

1.

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Product code	: GC2179
Product name	: Saponin
CAS number	: 8047-15-2
EINECS	: 232-462-6
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.

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 CLF	according to	(EC) 1272/2008
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H319	Eye Irr. 2A
H335	STOT SE 3
H336	STOT SE 3

2.2 Label elements

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

Pictograms



Signal words	Warning
Hazard statements	
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
Precautionary stateme	ents
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
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.
Other hazards	

PBT

This substance is not identified as a PBT substance.

3.0 Composition/information on ingredients

3.1 Substances

2.3

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4. 4.1

4.2

5.2

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Name		Identifier	%	Classification
Saponin		CAS: 8047-15-2 EC: 232-462-6 REACH: Not applicable	90.0%	H319, Eye Irr. 2A H335, STOT SE 3 H336, STOT SE 3
irst aid measures				
escription of first a	id measures			
Skin contact		nove all contaminated cloth th plenty of soap and wate		ear immediately unless stuck to skin
Eye contact	Consult a doctor. Bat	he the eye with running wa	ter for 15 min	utes.
Ingestion	Consult a doctor. Wa	sh out mouth with water.		
Inhalation	Remove casualty fror	n exposure ensuring one's	own safety w	hilst doing so. Consult a doctor.
lost important symp	otoms and effects, both a	acute and delayed		
Skin contact	There may be irritatio	n and redness at the site o	f contact.	
Eye contact	The eyes may water	profusely. There may be irr	itation and re	dness.
Ingestion	There may be sorene	ss and redness of the mou	th and throat.	
Inhalation	Exposure may cause tightness in the chest	0 0 0	ere may be in	ritation of the throat with a feeling of
Delayed / immediate effects	Immediate effects car	be expected after short-te	erm exposure	

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment

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.

Special hazards arising from the substance or mixture

Exposure hazards

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

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. 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.

6.4 Reference to other sections

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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 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 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	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	White
Odour	No data available.
Melting point/Freezing point	No data available.
Boiling point/initial boiling point/boiling range	No data available.
Flammability	Non flammable
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	2000 g/L @ 19.5 °C
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

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Stable under normal conditions.

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Decomposition may occur on exposure to conditions or materials listed below. Hazardous reactions will not occur under transport or storage conditions. 104 Conditions to avoid Heat. 105 Incompatible materials Materials to avoid Strong acids. Strong oxidising agents. 11.1 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 No data available. a) Germ cell mutagenicity No data available. a) Germ cell mutagenicity No data available. a) Germ cell mutagenicity No data available. a) Respiratory or skin sensitisation No data available. a) Reproductive toxicity No data available. a) Reproductive toxicity No data available. a) Reproductive toxicity No data available. a) StoT-repeated exposure Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3) b) StoT-repeated exposure No data available. b) StoT-repeated exposure No data available. c) StoT-repeated exposure No data available. b) StoT-repea	10.3	Possibility of hazardo	us reactions
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Inhalation Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling		Eye contact	The eyes may water profusely. There may be irritation and redness.
		Ingestion	There may be soreness and redness of the mouth and throat.
		Inhalation	Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate Immediate effects can be expected after short-term exposure.		Delayed / immediate effects	Immediate effects can be expected after short-term exposure.
Other information No data available.		Other information	No data available.

No data available.

12.2 Persistence and degradability

Biodegradable.

GC2179 v2.0

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12.3	Bioaccumulative poter	ntial	
	No bioaccumulation po	otential.	
12.4	Mobility in soil		
	No data available.		
12.5	Results of PBT and vP	PvB assessment	
	This substance is not i	dentified as a PBT substance.	
12.6	Endocrine disrupting	properties	
	This substance is not i	dentified as having endocrine disrupting properties	
12.7	Other adverse effects		
	No data available.		
13.	Disposal consideration	ns	
13.1	Waste treatment meth	ods	
	Disposal operations		
	Transfer to a suitable of	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 reg	arding disposal.
14.	Transport information		
	•	require a classification for transport.	
	·		
15.	Regulatory information	n	
15.1	Safety, health and environm	ental regulations/legislation specific for the substance or mixture	
	This Safety Data Shee Regulation (EU) 2020/	t is prepared in accordance with Commission Regulation (EC) 1907/2 787.	006, amended by Commission
	Authorisations/Restrictions		
	Regulation (EC) 190 authorisation:	07/2006, REACH, Annex XIV list of substances subject to	No data available.
		07/2006, REACH, Annex XVII restrictions on the manufacture, placing use of certain dangerous substances:	No data available.
		05/2009 on substances that deplete the ozone layer:	No data available.
	Regulation (EC) 850 2019/1021:	0/2004 on persistent organic pollutants, amended by (EU) No	No data available.
15.2	Chemical safety assessmen	t	
	A chemical safety asse	essment has not been carried out for the substance or the mixture by t	he supplier.
16.	Other information		
	H-Statement Full Texts	5	
	H335 Ma	uses serious eye irritation ay cause respiratory irritation ay cause draweiness or dizzinoss	

H336 May cause drowsiness or dizziness

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

GC2179 v2.0

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EC50 EILINCS EINECS GHS HSE IATA IM IMDG IP IV LD50 LOEC LTEL NOEC OECD PBT PPE REACH RID SC SDS STEL VOC	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
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.

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