GV2353 v3.0



1 1

### 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			
Identification of the substance/mixture and of the company/undertaking			
Product identifier			
Product code	:	GV2353	
Product name	:	Acetic acid	
CAS number	:	64-19-7	
EINECS	:	200-580-7	
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.	
	Identification of the s Product identifier Product code Product name CAS number EINECS Physical form	Identification of the subsProduct identifierProduct code:Product name:CAS number:EINECS:Physical form:	

#### 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

H226	Flam. Liq. 3
H314	Skin Corr. 1A

#### 2.2 Label elements

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

Pictograms



Signal words	Danger
Hazard statements	
H226	Flammable liquid and vapour
H314	Causes severe skin burns and eye damage
Precautionary statements	
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.
P260	Do not breathe vapors.
P264	Do not breathe fume.
P241	Use explosion-proof electrical equipment.
Other hazards	
PBT	

This substance is not identified as a PBT substance.

#### Composition/information on ingredients 3.0

3.1 Substances

2.3

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Name		Identifier	%	Classification
Acetic acid		CAS: 64-19-7 EC: 200-580-7 REACH: Not applicable	99.5%	H226, Flam. Liq. 3 H314, Skin Corr. 1A
First aid measures				
Description of first a	id measures			
Skin contact		ontaminated clothes	and footwear in	for 10 minutes or longer if substance is nmediately unless stuck to skin. ng.
Eye contact	Consult a doctor. Transfer 15 minutes.	to hospital for specia	alist examinatio	n. Bathe the eye with running water for
Ingestion	give half a litre of water to	drink immediately. If scious, check for bre	unconscious a eathing and app	to drink every 10 minutes. If conscious nd breathing is OK, place in the oly artificial respiration if necessary. n water.
Inhalation	-	•	•	e oxygen if available. If conscious,
	position. If unconscious, cl	heck for breathing ar	nd apply artificia	thing is OK, place in the recovery al respiration if necessary. Transfer to alty from exposure ensuring one's own
Most important sym	position. If unconscious, cl hospital as soon as possib	heck for breathing ar ble. Consult a doctor.	nd apply artificia	al respiration if necessary. Transfer to
Most important sym	position. If unconscious, cl hospital as soon as possib safety whilst doing so. btoms and effects, both acute	heck for breathing ar ble. Consult a doctor. and delayed ressive ulceration wi	nd apply artificia Remove casua	al respiration if necessary. Transfer to
	position. If unconscious, cl hospital as soon as possib safety whilst doing so. btoms and effects, both acute Blistering may occur. Prog mild irritation at the site of	heck for breathing ar ole. Consult a doctor. and delayed ressive ulceration wi contact.	nd apply artificia Remove casu: Il occur if treatr	al respiration if necessary. Transfer to alty from exposure ensuring one's own
Skin contact	position. If unconscious, cl hospital as soon as possib safety whilst doing so. <b>btoms and effects, both acute</b> Blistering may occur. Prog mild irritation at the site of Corneal burns may occur.	heck for breathing ar ole. Consult a doctor. and delayed pressive ulceration wi contact. May cause permane prrosive burns may a	nd apply artificia Remove casua III occur if treatr ent damage. Th ppear around ti	al respiration if necessary. Transfer to alty from exposure ensuring one's own ment is not immediate. There may be ere may be irritation and redness.
Skin contact Eye contact	position. If unconscious, cl hospital as soon as possib safety whilst doing so. otoms and effects, both acute Blistering may occur. Prog mild irritation at the site of Corneal burns may occur. Blood may be vomited. Co mouth or nose. There may Exposure may cause coug	heck for breathing ar ole. Consult a doctor. and delayed ressive ulceration wi contact. May cause permane prosive burns may a be irritation of the th ghing or wheezing. T	nd apply artificia Remove casua Ill occur if treatr ent damage. Th ppear around th proat. here may be irr	al respiration if necessary. Transfer to alty from exposure ensuring one's own ment is not immediate. There may be ere may be irritation and redness.
Skin contact Eye contact Ingestion	position. If unconscious, cl hospital as soon as possib safety whilst doing so. otoms and effects, both acute Blistering may occur. Prog mild irritation at the site of Corneal burns may occur. Blood may be vomited. Co mouth or nose. There may Exposure may cause coug tightness in the chest. The	heck for breathing ar ole. Consult a doctor. and delayed ressive ulceration wi contact. May cause permane prosive burns may a be irritation of the the ghing or wheezing. T ore may be shortness pected after long-terr	nd apply artificia Remove casua III occur if treatr ent damage. Th ppear around th proat. here may be irr of breath with m exposure. Im	al respiration if necessary. Transfer to alty from exposure ensuring one's own ment is not immediate. There may be ere may be irritation and redness. The lips. There may be bleeding from the itation of the throat with a feeling of a burning sensation in the throat. Immediate effects can be expected after
Skin contact Eye contact Ingestion Inhalation Delayed / immediate effects	position. If unconscious, cl hospital as soon as possib safety whilst doing so. otoms and effects, both acute Blistering may occur. Prog mild irritation at the site of Corneal burns may occur. Blood may be vomited. Co mouth or nose. There may Exposure may cause coug tightness in the chest. The Delayed effects can be ex	heck for breathing ar ole. Consult a doctor. and delayed ressive ulceration wi contact. May cause permane prosive burns may a be irritation of the th ghing or wheezing. T are may be shortness pected after long-term e may be bleeding fr	nd apply artificia Remove casua III occur if treatr ent damage. Th ppear around th nroat. here may be irr s of breath with m exposure. Im om the mouth o	al respiration if necessary. Transfer to alty from exposure ensuring one's own ment is not immediate. There may be ere may be irritation and redness. The lips. There may be bleeding from the itation of the throat with a feeling of a burning sensation in the throat. Immediate effects can be expected after

#### 5. Fire-fighting measures

#### 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

Corrosive. 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

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Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Eliminate all sources of ignition. 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. 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

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. 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. Do not handle in a confined space. 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

Substance (CAS)	Control Parameter	Value	Notes	Source
Acetic acid (64-19-7)	Long-term Exposure Limit (ppm)	10		UK HSE EH40/2005
	Long-term Exposure Limit (mg m <sup>-3</sup> )	25		
	Short-term Exposure Limit (ppm)	20		
	Short-term Exposure Limit (mg m <sup>-3</sup> )	50		
	Long-term Exposure Limit (ppm)	25		(EU) 2017/164
	Long-term Exposure Limit (mg m <sup>-3</sup> )	10		
	Short-term Exposure Limit (ppm)	50		
	Short-term Exposure Limit (mg m <sup>-3</sup> )	20		

#### 8.2 Exposure controls

Engineering measures	Ensure lighting and electrical equipment are not a source of ignition. 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.

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Eye protection	Tightly fitting safety goggle	es. Ensure eye bath is to hand. Safety glasses.
Skin protection	Protective clothing.	
Physical and chem	ical properties	
Information on bas	ic physical and chemical prope	erties
Flammability Lower/Upper exp Flash Point Auto-ignition tem Decomposition to pH Kinematic viscos Solubility	al boiling point/boiling range plosion limit aperature emperature ity ent n-octanol/water density pressure	Liquid Colourless No data available. 16.6 °C 117.9 °C Flammable liquid and vapour No data available. No data available.
Other information		
No data available.		
Stability and reactiv	vity	
Reactivity		
Stable under recom	mended transport or storage co	onditions.
Chemical stability		
Stable at room tem	perature. Stable under normal o	conditions.
Possibility of hazar	dous reactions	
Hazardous reactions		
Decomposition may transport or storage		ns or materials listed below. Hazardous reactions will not occur under normal
Conditions to avoid	1	
Flames. Hot surface	es. Sources of ignition. Heat.	
Incompatible mater	ials	
Materials to avoid		
Carbon dioxide. Str	ong acids. Strong oxidising age	ents.
Toxicological infor		
Information on toxi	cological effects	
Acute toxicity Acetic acid LD50 Rabbit (Derm LD50 Mouse (IV): 5 LD50 Rat (Oral): 3.1	25 mg/kg	
LD50 Mouse (Oral) LD50 Rat (Oral): 46	65 mg/kg	
Skin corrosion/irrit Skin corrosion/irrita		

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)	Respiratory or skin sei	nsitisation			
	No data available.				
)	Germ cell mutagenicity				
	No data available.				
)	Carcinogenicity				
	No data available.				
)	Reproductive toxicity No data available.				
)					
,	STOT-single exposure No data available.				
	STOT-repeated exposu	ıre			
	No data available.				
	Aspiration hazard				
	No data available.				
	Symptoms / routes of e	exposure			
	Skin contact	Blistering may occur. Progressive ulceration will occur if treatment is not immediate. There may be mild irritation at the site of contact.			
	Eye contact	Corneal burns may occur. May cause permanent damage. There may be irritation and redness.			
	Ingestion	Blood may be vomited. Corrosive burns may appear around the lips. There may be bleeding from the mouth or nose. There may be irritation of the throat.			
	Inhalation	Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest. There may be shortness of breath with a burning sensation in the throat.			
	Delayed / immediate effects	Delayed effects can be expected after long-term exposure. Immediate effects can be expected after short-term exposure. There may be bleeding from the mouth or nose.			
	Other information	No data available.			
1.2	Information on other h	azards			
1.2.1	Endocrine disrupting properties				
	This product does not o	contain known or suspected endocrine disruptors according to REACH or relevant EU Regulations.			
1.2.2	Other information				
	No additional information	on			
2.	Ecological information	1			
2.1	Toxicity				
	24 hr EC50 Algae (Chlo	orococcales): 156000 ug/L			
2.2	Persistence and degra	dability			
	Biodegradable.				
2.3	Bioaccumulative poter	ntial			
	No bioaccumulation po	tential.			
2.4	Mobility in soil				
	Readily absorbed into s	soil.			
2.5	Results of PBT and vP	vB assessment			
	This substance is not ic	dentified as a PBT substance.			
2.6	Endocrine disrupting p	properties			
	This substance is not ic	dentified as having endocrine disrupting properties			
	Other adverse effects				
2.7	Other adverse effects				

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#### 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

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN2789	UN2789	UN2789	UN2789	UN2789
14.2. UN proper shipping na	ame			
ACETIC ACID, GLACIAL	ACETIC ACID, GLACIAL	Acetic acid, glacial	ACETIC ACID, GLACIAL	ACETIC ACID, GLACIAL
Transport document descri	ption			
UN2789 ACETIC ACID, GLACIAL, 8 (3), II	UN2789 ACETIC ACID, GLACIAL, 8 (3), II	UN2789 Acetic acid, glacial, 8 (3), II	UN2789 ACETIC ACID, GLACIAL, 8 (3), II	UN2789 ACETIC ACID, GLACIAL, 8 (3), II
14.3. Transport hazard clas	s(es)			
8 (3)	8 (3)	8 (3)	8 (3)	8 (3)
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazard	S			
No	No	No	No	No

#### 15. Regulatory information

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10.	Regulatory mornation	
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) 1907/20 Regulation (EU) 2020/878.	006, amended by Commission
	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

H226	Flammable liquid and vapour
H314	Causes severe skin burns and eye damage



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#### Abbreviations Full Texts

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 STOT	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 Specific Target Organ Toxicity Velatile Orrapic Compounds
STOT	Specific Target Organ Toxicity
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) 2020/878.

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