GK6959 v3.0



Safety Data Sheet

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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.

i roduct lacitatiei	
Product code	: GK6959
Product name	: Trifluoroacetic acid
CAS number	: 76-05-1
EINECS	: 200-929-3
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

H314	Skin Corr. 1A
H332	Acute Tox. 4
H412	Aquatic Chronic 3

2.2 Label elements

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

Pictograms



Signal words	Danger
Hazard statements	
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
H412	Harmful to aquatic life with long lasting effects
Precautionary statements	
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P264	Do not breathe fume.
Other hazards	

PBT

2.3

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This substance is not identified as a PBT substance.

Name		Identifier	%	Classification		
Trifluoroacetic acid		CAS: 76-05-1 EC: 200-929-3 REACH: Not applicable	99.0%	H314, Skin Corr. 1A H332, Acute Tox. 4 H412, Aquatic Chronic 3		
First aid measures						
Description of first ai	d measures					
Skin contact	still on skin. Remo	ve all contaminated clothes	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. ⁻ 15 minutes.	Consult a doctor. Transfer to hospital for specialist examination. Bathe the eye with running water for 15 minutes.				
Ingestion	give half a litre of v recovery position.	water to drink immediately. If	unconscious a athing and app	r to drink every 10 minutes. If conscious and breathing is OK, place in the ply artificial respiration if necessary. h water.		
Inhalation	ensure the casual position. If uncons	ty sits or lies down. If uncons cious, check for breathing ar s possible. Consult a doctor.	cious and brea nd apply artificia	le oxygen if available. If conscious, athing is OK, place in the recovery al respiration if necessary. Transfer to alty from exposure ensuring one's own		
Most important symp	toms and effects, bo	th acute and delayed				
Skin contact				ment is not immediate. There may be d irritation at the site of contact.		
Eye contact	Corneal burns may occur. May cause permanent damage. The eyes may water profusely. There may be irritation and redness. There may be pain and redness.					
Ingestion	occur. There may		or nose. There	he lips. Nausea and stomach pain may may be irritation of the throat. There may be vomiting.		
Inhalation	irritation of the thro		in the chest. T	mach pain may occur. There may be here may be shortness of breath with a		
	Immediate effects	can be expected after short-	term exposure	. Nausea and stomach pain may occur.		
	-	-	term exposure	. Nausea and stomach pain may oc		

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

Exposure hazards

Corrosive. In combustion emits toxic fumes.

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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. 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. 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.

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. 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	Tightly fitting safety goggles. 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
Colour
Odour
Melting point/Freezing point
Boiling point/initial boiling point/boiling range
Flammability
Lower/Upper explosion limit

Colourless No data available. -15 °C 73 °C No data available. No data available.

Liquid

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Flash Point
Auto-ignition temperature
Decomposition temperature
pH
Kinematic viscosity
Solubility
Partition coefficient n-octanol/water
Vapour pressure
Density/relative density
Relative vapour pressure
Particle characteristics

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 under normal conditions.

^{10.3} 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.

No data available. 1 000 - 1 520 g/L @ 20 °C No data available. No data available.

No data available. No data available.

1 489

^{10.4} Conditions to avoid

Heat.

^{10.5} Incompatible materials

Materials to avoid

Strong acids. Strong oxidising agents.

11. Toxicological information

11.1 Information on toxicological effects

a) Acute toxicity

No data available.

b) Skin corrosion/irritation

Skin corrosion/irritation (Category 1A)

- 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.
- J) Aspiration hazardNo data available.

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Symptoms / routes of exposure

Symptoms / routes	
Skin contact	Blistering may occur. Progressive ulceration will occur if treatment is not immediate. There may be irritation and redness at the site of contact. There may be mild irritation at the site of contact.
Eye contact	Corneal burns may occur. May cause permanent damage. The eyes may water profusely. There may be irritation and redness. There may be pain and redness.
Ingestion	Blood may be vomited. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be bleeding from the mouth or nose. There may be irritation of the throat. There may be soreness and redness of the mouth and throat. There may be vomiting.
Inhalation	Exposure may cause coughing or wheezing. Nausea and stomach pain may occur. 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. There may be vomiting.
Delayed / immediate effects	Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur. There may be bleeding from the mouth or nose.
Other information	No data available.
Information on othe	er hazards
Endocrine disrupting	properties
This product does r	not contain known or suspected endocrine disruptors according to REACH or relevant EU Regulations.
Other information	
No additional inform	nation
Ecological informa	tion
Toxicity	
No data available.	
Persistence and de	gradability
Not biodegradable.	
Bioaccumulative p	otential
Bioaccumulation po	otential.
Mobility in soil	
Readily absorbed ir	nto soil.
Results of PBT and	l vPvB assessment
This substance is n	ot identified as a PBT substance.
Endocrine disrupti	ng properties
This substance is n	ot identified as having endocrine disrupting properties
Other adverse effect	cts
No data available.	
Disposal considera	tions
Waste treatment m	ethods
Disposal operations	
Transfer to a suitab NB	le container and arrange for collection by specialised disposal company.
	n is drawn to the possible existence of regional or national regulations regarding disposal.

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN2699	UN2699	UN2699	UN2699	UN2699
14.2. UN proper shipping nar	ne			
TRIFLUOROACETIC ACID	TRIFLUOROACETIC ACID	Trifluoroacetic acid	TRIFLUOROACETIC ACID	TRIFLUOROACETI ACID
Transport document descrip	tion			
UN2699 TRIFLUOROACETIC ACID, 8, I	UN2699 TRIFLUOROACETIC ACID, 8, I	UN2699 Trifluoroacetic acid, 8, I	UN2699 TRIFLUOROACETIC ACID, 8, I	UN2699 TRIFLUOROACETIC ACID, 8, I
14.3. Transport hazard class	(es)			
8	8	8	8	8
				No. Contraction of the second
14.4. Packing group		•		·
I	I	I	I	I
14.5. Environmental hazards				
No	No	No	No	No
Regulatory information				
Safety, health and environmen	tal regulations/legislation specif	fic for the substance or mixture	3	

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

H314	Causes severe skin burns and eye damage	
H332	Harmful if inhaled	
H412	Harmful to aquatic life with long lasting effects	
Abbreviations Full Texts		
	European Agreement concerning the International Carria	

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

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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
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

This Safety Data Sheet is prepared in accordance with Commission Regulation (EC) 1907/2006, amended by Commission Regulation (EU) 2020/878.

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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