# Glentham

### **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.

Product code	: GX4716
Product name	: 1,2,4-Trimethylbenzene
CAS number	: 95-63-6
EINECS	: 202-436-9
Physical form	: liquid, substance
REACH	<ul> <li>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.</li> </ul>

#### 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

:	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
	:	Corsham SN13 9SW	Unit 5 Leafield Way Fax Corsham SN13 9SW Email	Unit 5 Leafield Way Fax : Corsham SN13 9SW Email :

#### 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
H304	Asp. Tox. 1
H315	Skin Irr. 2
H319	Eye Irr. 2A
H332	Acute Tox. 4
H335	STOT SE 3
H336	STOT SE 3
H411	Aquatic Chronic 2

#### 2.2 Label elements

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

#### Pictograms



Signal words	Danger
Hazard statements	
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
Precautionary statements	
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources No smoking.
P273	Avoid release to the environment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/

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P302+P352	IF ON SKIN: wash with plenty of water.
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.
P312	Call a POISON CENTER or doctor/ if you feel unwell.
P331	Do NOT induce vomiting.
P264	Do not breathe fume.
P261	Avoid breathing vapors.
P241	Use explosion-proof electrical equipment.

#### 2.3 Other hazards

PBT

This substance is not identified as a PBT substance.

#### 3.0 Composition/information on ingredients

#### 3.1 Substances

Name	Identifier	%	Classification
1,2,4-Trimethylbenzene	CAS: 95-63-6 EC: 202-436-9 REACH: Not applicable	98.0%	H226, Flam. Liq. 3 H304, Asp. Tox. 1 H315, Skin Irr. 2 H319, Eye Irr. 2A H332, Acute Tox. 4 H335, STOT SE 3 H336, STOT SE 3 H411, Aquatic Chronic 2

#### 4. First aid measures

#### 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. Transfer to hospital if there are burns or symptoms of poisoning. Wash immediately with plenty of soap and water.
Eye contact	Consult a doctor. Transfer to hospital for specialist examination. 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. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible. Wash out mouth with water.
Inhalation	If breathing becomes bubbly, have the casualty sit and provide oxygen if available. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible. Consult a doctor. Remove casualty from exposure ensuring one's own safety whilst doing so.
lost important s	ymptoms and effects, both acute and delayed
Skin contact	Absorption through the skin may be fatal. Irritation or pain may occur at the site of contact. There may be irritation and redness 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	The eyes may water profusely. There may be irritation and redness. There may be severe pain.
Ingestion	Convulsions 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. Exposure may cause coughing or wheezing. 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

4.2

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 Delayed / immediate effects
 Convulsions may occur. Delayed effects can be expected after long-term exposure. Immediate effects can be expected after short-term exposure. There may be loss of consciousness.

#### 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

#### 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.

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

#### Clean-up procedures

6.3

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. Do not handle in a confined space. 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

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GX4716 v2.0

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#### Workplace exposure limits

8.2

Substance (CAS)	Control Parameter	Value	Notes	Source
1,2,4-Trimethylbenze (95-63-6)	ene Long-term Exposure Limit (ppm)	100		2000/39/EC
	Long-term Exposure Limit (mg m <sup>-3</sup> )	20		
oposure 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 protective device with particle filter. Self- contained breathing apparatus must be available in case of emergency.			
Respiratory protection	1 , , , , , , , , , , , , , , , , , , ,	filter. Self- contained	breathing appa	ratus must be
Respiratory protection Hand protection	1 , , , , , , , , , , , , , , , , , , ,	ilter. Self- contained	breathing appa	ratus must be
Respiratory protection Hand protection Eye protection	available in case of emergency.		0 11	ratus must be

#### 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	-43.8 °C
Boiling point/initial boiling point/boiling range	168.89 °C
Flammability	Flammable liquid and vapour
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	No data available.
Partition coefficient n-octanol/water	No data available.
Vapour pressure	No data available.
Density/relative density	0.876
Relative vapour pressure	No data available.
Particle characteristics	No data available.
Other information	

#### 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.

#### <sup>10.3</sup> 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.

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

Flames. Hot surfaces. Sources of ignition. Heat.

#### <sup>10.5</sup> Incompatible materials

Materials to avoid

Carbon dioxide. Strong acids. Strong oxidising agents.

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Info	mation on toxico	ological effects
	e toxicity	
LD5 4 hr 48 h	•	l): >3160 mg/kg ation): 18000 mg/m3 lation): >2000 ppm
Skin	corrosion/irritati	ion
	<b>ous eye damage</b> ous eye damage/	/irritation /eye irritation (Category 2A)
	<b>biratory or skin s</b> lata available.	ensitisation
	<b>n cell mutagenic</b> lata available.	ity
	<b>inogenicity</b> ata available.	
•	roductive toxicity ata available.	/
	T-single exposu	re toxicity, single exposure; Respiratory tract irritation (Category 3)
	<b>T-repeated expo</b> lata available.	sure
•	ration hazard ration hazard (Ca	ategory 1)
.2 Sym	ptoms / routes o	f exposure
Ski	n contact	Absorption through the skin may be fatal. Irritation or pain may occur at the site of contact. There may be irritation and redness 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	The eyes may water profusely. There may be irritation and redness. There may be severe pain.
Ing	estion	Convulsions 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.
Inh	alation	Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. Exposure may cause coughing or wheezing. 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.

Convulsions may occur. Delayed effects can be expected after long-term exposure. Immediate effects can be expected after short-term exposure. There may be loss of consciousness.

Other information No data available.

12. Ecological information

Delayed / immediate effects

12.1 Toxicity

No data available.

12.2 Persistence and degradability

Not biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation potential.

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Description of the second s				
Readily absorbed into so				
Results of PBT and vPvE				
	ntified as a PBT substanc	е.		
Endocrine disrupting pro	-			
	ntified as having endocrin	e disrupting properties		
Other adverse effects				
No data available.				
Disposal considerations				
Waste treatment method	s			
Disposal operations				
Transfer to a suitable con	ntainer and arrange for col	lection by specialised dis	posal company.	
NB				
The user's attention is dra	awn to the possible existe	nce of regional or nationa	I regulations regarding dis	sposal.
Transport information				
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN3295	UN3295	UN3295	UN3295	UN3295
14.2. UN proper shipping nan	ne			
14.2. UN proper shipping nan HYDROCARBONS,	19 HYDROCARBONS,	Hydrocarbons, liquid,	HYDROCARBONS,	HYDROCARBONS,
		Hydrocarbons, liquid, n.o.s.	HYDROCARBONS, LIQUID, N.O.S.	HYDROCARBONS, LIQUID, N.O.S.
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#### 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

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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.

#### Other information 16.

#### H-S

-Statement Full Texts		
H226	Flammable liquid and vapour	
H304	May be fatal if swallowed and enters airways	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H332	Harmful if inhaled	
H335	May cause respiratory irritation	
H336	May cause drowsiness or dizziness	
H411	Toxic to aquatic life with long lasting effects	

#### **Abbreviations Full Texts**

	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
	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) 2020/787.

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.



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