

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Tetrahydrofuran, GlenPure™, analytical grade
Product code : GS8138
CAS number : 109-99-9
EINECS : 203-726-8

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 number: +44 (0) 1225 667 798 (09.00 – 17.00 GMT)

1.5 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.

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP

Flam. Liq. 2, Acute Oral Tox. 4, Eye Irrit. 2, Carc. 2, STOT SE 3.

2.2 Label elements

Label elements under CLP

Pictograms



Signal words

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.

EUH

EUH019 May form explosive peroxides.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P281 Use personal protective equipment as required.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

PBT

This substance is not identified as a PBT substance.

3.0 Composition/information on ingredients

3.1 Substances

| | | |
|--------------|--|--------------------------------------|
| Product name | : Tetrahydrofuran, GlenPure™, analytical grade | MW: 72.11 |
| CAS number | : 109-99-9 | MF : C ₄ H ₈ O |
| EINECS | : 203-726-8 | |

4.0 First aid measures

4.1 Description of first aid measures

Skin contact

Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact

Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion

Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation

Consult a doctor. Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact

There may be mild irritation at the site of contact. There may be irritation and redness at the site of contact.

Eye contact

There may be irritation and redness. The eyes may water profusely.

Ingestion

There may be soreness and redness of the mouth and throat. There may be irritation of the throat.

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects

Immediate effects can be expected after short-term exposure. Delayed effects can be expected after long-term 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. Not applicable.

5.0 Fire-fighting measures

5.1 Extinguishing media

Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

Exposure hazards

Highly flammable. May form flammable / explosive dust-air mixture. In combustion emits toxic fumes.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6.0 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. 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. Do not create dust.

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. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

6.3 Reference to other sections

Refer to section 8 of SDS.

7.0 Handling and storage

7.1 Precautions for safe handling

Handling requirements

Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Smoking is forbidden. Use non-sparking tools. Avoid direct contact with the substance.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Avoid contact with water or humidity. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

- 7.3 Specific end use(s)
No data available.

8.0 Exposure controls/personal protection

- 8.1 Control parameters
Workplace exposure limits
Not applicable.

- 8.2 Exposure controls
Engineering measures
Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
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
Safety glasses. Ensure eye bath is to hand.
Skin protection
Protective clothing.

9.0 Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
Physical Form:
Colour:
9.2 Other information
Not applicable.

10.0 Stability and reactivity

- 10.1 Reactivity
10.2 Chemical stability
Stable under normal conditions. Stable at room temperature.
10.3 Possibility of hazardous reactions
Hazardous reactions
Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4 Conditions to avoid
Heat. Hot surfaces. Sources of ignition. Flames.
10.5 Incompatible materials
Materials to avoid
Strong acids. Strong oxidising agents.

11.0 Toxicological information

- 11.1 Information on toxicological effects
Toxicity values
Not applicable.
11.2 Information on toxicological effects
Skin contact
There may be mild irritation at the site of contact. There may be irritation and redness at the site of contact.
Eye contact
There may be irritation and redness. The eyes may water profusely.
Ingestion

There may be soreness and redness of the mouth and throat. There may be irritation of the throat.

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects

Immediate effects can be expected after short-term exposure. Delayed effects can be expected after long-term exposure.

Other information

12.0 Ecological information

12.1 Toxicity

Not applicable.

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil. No data available.

12.5 Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6 Endocrine disrupting properties

Negligible ecotoxicity.

13.0 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.

14.0 Transport information

14.1 UN number

UN2056

14.2 UN proper shipping name

Tetrahydrofuran

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

N/A

14.6 Special precautions for user

No special precautions.

15.0 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Not applicable.

Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16.0 Other information

Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Legal disclaimer

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 company shall not be held liable for any damage resulting from handling or from contact with the above product.