

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

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

### 1.1 Product identifier

Product code : GS9122  
 Product name : Di-iso-propylethylamine, GlenDry™, anhydrous  
 CAS number : 7087-68-5  
 EINECS : 230-392-0  
 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

|      |              |
|------|--------------|
| H225 | Flam. Liq. 2 |
| H302 | Acute Tox. 4 |
| H318 | Eye Dam. 1   |
| H331 | Acute Tox. 3 |
| H335 | STOT SE 3    |
| H336 | STOT SE 3    |

### 2.2 Label elements

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

#### Pictograms



GHS02 GHS05 GHS06

#### Signal words

Danger

#### Hazard statements

|      |                                    |
|------|------------------------------------|
| H225 | Highly flammable liquid and vapour |
| H302 | Harmful if swallowed               |
| H318 | Causes serious eye damage          |
| H331 | Toxic if inhaled                   |
| H335 | May cause respiratory irritation   |
| H336 | May cause drowsiness or dizziness  |

#### Precautionary statements

|                |  |
|----------------|--|
| P210           | Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.          |
| P261           | Avoid breathing dust/fume/gas/mist/vapors/spray.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                               |
| P301+P312      | IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.  |
| 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.

P312

Call a POISON CENTER or doctor/... if you feel unwell.

P330

Rinse mouth.

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

P241

Use explosion-proof electrical equipment.

P264

Do not breathe fume.

### 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   |
|--|--|-------|--|
| Di-iso-propylethylamine, GlenDry™, anhydrous | CAS: 7087-68-5<br>EC: 230-392-0<br>REACH: Not applicable | 99.5% | H225, Flam. Liq. 2<br>H302, Acute Tox. 4<br>H318, Eye Dam. 1<br>H331, Acute Tox. 3<br>H335, STOT SE 3<br>H336, STOT SE 3 |

## 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 unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible. Consult a doctor. |

### 4.2 Most important symptoms and effects, both acute and delayed

|              |   |
|--------------|---|
| Skin contact | There may be irritation and redness at the site of contact. There may be mild irritation at the site of contact.  |
| Eye contact  | The eyes may water profusely. There may be irritation and redness. There may be pain and redness.   |
| Ingestion    | Convulsions may occur. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation. Nausea and stomach pain may occur. Severe poisoning can cause shock, unconsciousness and convulsions. Severe poisoning can cause vision to be blurred or blindness, severe headache and rapid gasping breathing. There may be irritation of the throat. There may be loss of consciousness. There may be soreness and redness of the mouth and throat. Severe poisoning can cause unconsciousness and severe and persistent nausea and vomiting. |
| Inhalation   | Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. Drowsiness or mental confusion may occur. 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 loss of consciousness. There may be shortness of breath with a burning sensation in the throat.  |

**Delayed / immediate effects**

Convulsions may occur. Delayed effects can be expected after long-term exposure. Drowsiness or mental confusion may occur. Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur. 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. Refer to section 8 of SDS for personal protection details.

**6.2 Environmental precautions**

Alert the neighbourhood to the presence of fumes or gas. 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. 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

#### Workplace exposure limits

No workplace exposure limit control parameters set

### 8.2 Exposure 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 protection | Respiratory protective device with particle filter. Self-contained breathing apparatus must be available in case of emergency. Self-contained breathing apparatus must be used in handling. |
| Hand protection        | Protective gloves.  |
| Eye protection         | Ensure eye bath is to hand. Safety glasses with side-shields. Safety glasses.   |
| Skin protection        | Protective clothing.  |

## 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                      | 126-128 °C                         |
| Boiling point/initial boiling point/boiling range | 126.5 °C                           |
| Flammability                                      | Highly flammable liquid and vapour |
| Lower/Upper explosion limit                       | No data available.                 |
| Flash Point                                       | No data available.                 |
| Auto-ignition temperature                         | 260.4°C                            |
| Decomposition temperature                         | No data available.                 |
| pH  | No data available.                 |
| Kinematic viscosity                               | No data available.                 |
| Solubility  | 7.4 g/L @ 20 °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

Stable at room temperature. 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.

### 10.4 Conditions to avoid

Flames. Hot surfaces. Sources of ignition. Heat.

### 10.5 Incompatible materials

#### Materials to avoid

Carbon dioxide. Strong acids. Strong oxidising agents.

## 11. Toxicological 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**  
Serious eye damage/eye irritation (Category 1)
- 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**  
Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3)
- i) **STOT-repeated exposure**  
No data available.
- j) **Aspiration hazard**  
No data available.

#### 11.2 Symptoms / routes of exposure

|                             |   |
|-----------------------------|---|
| Skin contact                | There may be irritation and redness at the site of contact. There may be mild irritation at the site of contact.  |
| Eye contact                 | The eyes may water profusely. There may be irritation and redness. There may be pain and redness.   |
| Ingestion                   | Convulsions may occur. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation. Nausea and stomach pain may occur. Severe poisoning can cause shock, unconsciousness and convulsions. Severe poisoning can cause vision to be blurred or blindness, severe headache and rapid gasping breathing. There may be irritation of the throat. There may be loss of consciousness. There may be soreness and redness of the mouth and throat. Severe poisoning can cause unconsciousness and severe and persistent nausea and vomiting. |
| Inhalation                  | Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. Drowsiness or mental confusion may occur. 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 loss of consciousness. There may be shortness of breath with a burning sensation in the throat.  |
| Delayed / immediate effects | Convulsions may occur. Delayed effects can be expected after long-term exposure. Drowsiness or mental confusion may occur. Immediate effects can be expected after short-term exposure. Nausea and stomach pain may occur. There may be loss of consciousness.  |
| Other information           | No data available.  |

#### 12. Ecological information

- 12.1 **Toxicity**  
No data available.
- 12.2 **Persistence and degradability**  
Biodegradable.
- 12.3 **Bioaccumulative potential**  
No bioaccumulation potential.
- 12.4 **Mobility in soil**  
Readily absorbed into soil.
- 12.5 **Results of PBT and vPvB assessment**

This substance is not identified as a PBT substance.

## 12.6 Endocrine disrupting properties

This substance is not identified as having endocrine disrupting properties

## 12.7 Other adverse effects

No data available.

## 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  | IATA   | ADN   | RID   |
|---|---|--|---|---|
| <b>14.1. UN number</b>  |   |  |   |   |
| UN2733  | UN2733  | UN2733   | UN2733  | UN2733  |
| <b>14.2. UN proper shipping name</b>  |   |  |   |   |
| AMINES,<br>FLAMMABLE,<br>CORROSIVE, N.O.S.  | AMINES,<br>FLAMMABLE,<br>CORROSIVE, N.O.S.  | Amines, flammable,<br>corrosive, n.o.s.  | AMINES,<br>FLAMMABLE,<br>CORROSIVE, N.O.S.  | AMINES,<br>FLAMMABLE,<br>CORROSIVE, N.O.S.  |
| <b>Transport document description</b>   |   |  |   |   |
| UN2733 AMINES,<br>FLAMMABLE,<br>CORROSIVE, N.O.S.<br>(DI-ISO-PROPYLET<br>HYLAMINE,<br>GLENDRY™,<br>ANHYDROUS), 3 (8),<br>II | UN2733 AMINES,<br>FLAMMABLE,<br>CORROSIVE, N.O.S.<br>(DI-ISO-PROPYLET<br>HYLAMINE,<br>GLENDRY™,<br>ANHYDROUS), 3 (8),<br>II | UN2733 Amines,<br>flammable, corrosive,<br>n.o.s. (Di-iso-propylet<br>hylamine, GlenDry™,<br>anhydrous), 3 (8), II | UN2733 AMINES,<br>FLAMMABLE,<br>CORROSIVE, N.O.S.<br>(DI-ISO-PROPYLET<br>HYLAMINE,<br>GLENDRY™,<br>ANHYDROUS), 3 (8),<br>II | UN2733 AMINES,<br>FLAMMABLE,<br>CORROSIVE, N.O.S.<br>(DI-ISO-PROPYLET<br>HYLAMINE,<br>GLENDRY™,<br>ANHYDROUS), 3 (8),<br>II |
| <b>14.3. Transport hazard class(es)</b>   |   |  |   |   |
| 3 (8)   | 3 (8)   | 3 (8)  | 3 (8)   | 3 (8)   |
|   |   |  |   |   |
| <b>14.4. Packing group</b>  |   |  |   |   |
| II  | II  | II   | II  | II  |
| <b>14.5. Environmental hazards</b>  |   |  |   |   |
| No  | No  | No   | No  | No  |

## 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

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

|      |                                    |
|------|------------------------------------|
| H225 | Highly flammable liquid and vapour |
| H302 | Harmful if swallowed               |
| H318 | Causes serious eye damage          |
| H331 | Toxic if inhaled                   |
| H335 | May cause respiratory irritation   |
| H336 | May cause drowsiness or dizziness  |

#### 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   |
| 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.