

Myo-Inositol**DOC0(198-201)****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Identification of the product : Raw material
Product code : DOC0(198-201)
Trade name : myo-Inositol
CAS number : 000087-89-8

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses For research purposes only

1.2.2 Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

Company identification : Formedium Ltd.
King's Lynn, England, PE31 6DJ
Tel: +44(0)1485 609069
Web: www.Formedium.com
E-mail: info@formedium.com

1.4. Emergency telephone number

Emergency telephone number : Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)
NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours)

SECTION 2 Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) 1272/2008**

Not regulated

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008**

Hazards pictograms code : None
Precautionary statements : None

2.3 Other hazards

None under normal conditions.

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Myo-Inositol**DOC0(198-201)****SECTION 3 Composition/information on ingredients****3.1 Substance / Preparation**

Molecular weight g/mol : 180.2
Structural formula: : C6H12O6

| Substance name: | Contents | CAS No: | EC No: | Annex No: | Ref REACH | Classification |
|-----------------|----------|---------|-----------|-----------|-----------|----------------|
| myo-Inositol | > 97 % | 87-89-8 | 201-781-2 | -- | -- | -- |

SECTION 4 First aid measures**4.1. Description of first aid measures**

General information : Seek medical attention if ill effects develop.

Inhalation : Remove victim to fresh air.

Skin contact : Wash skin with mild soap and water.

Eye contact : Rinse with water.

Ingestion : Rinse mouth.

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

Symptoms and effects, both acute and delayed. : No data available

4.3. Indication of any immediate medical attention and special treatment needed

Medical attention and special treatment needed. : No data available.

SECTION 5 Fire-fighting measures**5.1. Extinguishing media**

Suitable extinguishing media : Water spray, Carbon dioxide (CO2) or Dry powder.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Flammable class : Not combustible.

Protection against fire : Wear proper protective equipment.

Special procedures : Avoid (reject) fire fighting water to enter environment.

Myo-Inositol**DOC0(198-201)****SECTION 6 Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear suitable protective equipment

6.2 . Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Dispose in a safe manner in accordance with local/national regulations.

Sweep up dry powder and dispose properly.

6.4. Reference to other sections

For disposal see section 13.

SECTION 7 Handling and storage**7.1. Precautions for safe handling**

General : Minimize generation of dust. Store in a dry, well ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Store at room temperature.

7.3. Specific end use(s)

For research purposes only

SECTION 8 Exposure controls/personal protection**8.1. Control parameters**

No data available.

8.2. Exposure controls

- **Eye protection** : Where excessive dust may result, wear approved mask.
- **Skin protection** : Not required.
- **Hand protection** : In case of repeated or prolonged contact wear gloves.
- **Respiratory protection** : Where excessive dust may result, wear approved mask.

SECTION 9 Physical and chemical properties**• Appearance**

Appearance : Powder

Colour : White

• Odour

Odour : Odourless.

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SECTION 9 Physical and chemical properties (continued)

- Odour threshold
Odour threshold : Not established.
- pH
pH value : Not established.
- Melting point / Freezing point
Melting point (°C) : Circa 226
- Initial boiling point – boiling range
Boiling point (°C) : No data available.
- Flash point
Flash point (°C) : No data available.
- Evaporation rate
Evaporation rate (ether =1) : No data available.
- Flammability
Flammability range (vol % in air) : No data available.
- Explosion limits (lower – upper)
Explosion limits : No data available.
- Vapour pressure
Vapour pressure : No data available.
- Vapour density
Relative vapour density (air=1) : No data available.
- Relative density
Relative Density : Not established.
- Solubility
Solubility in water : 140 g/L
- Partition coefficient : n-octanol / water
Log P octanol / water at 20°C : Not established.
- Auto-ignition temperature
Auto-ignition temperature (°C) : Circa 800
- Thermal decomposition
Thermal decomposition (°C) : No data available.
- Viscosity
Viscosity : No data available.
- Explosive properties
Explosive properties : Not established.
- Oxidising properties
Oxidising properties : Not established.

9.2 Other information

Myo-Inositol**DOC0(198-201)****SECTION 10 Stability and reactivity****10.1. Reactivity**

Stable under normal conditions.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

This product is non-hazardous.

10.4. Conditions to avoid

Conditions to avoid

Heat

10.5. Incompatible materials

Acids.

Strong bases.

Oxidizing agents

10.6. Hazardous decomposition products

According to process conditions, hazardous decomposition products may be generated.

SECTION 11 Toxicological information**11.1. Information on toxicological effects**

Toxicity information

:

This product is not hazardous.

Rat oral LD50 (mg/Kg)

:

10000

11.2. Additional Information

Endocrine disrupting properties :

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12 Ecological information**12.1. Toxicity**

No data available.

12.2. Persistence - degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

Ecological effects information : No data available.

12.7. Endocrine disrupting properties

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Myo-Inositol**DOC0(198-201)****SECTION 13 Disposal considerations****13.1. Waste treatment methods****General**

This product is not hazardous.

SECTION 14 Transport information**14.1. UN Number**

Not applicable.

General information

: Not classified as dangerous in the meaning of transport regulations.

14.2. UN Proper shipping name

Not applicable.

14.3. Transport Hazard Class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable

SECTION 15 Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EU) No. 2015/830.

15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16 Other information**Further information**

: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Formedium Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision

: Complete SDS revision

End of document