

**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: : C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>

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 (CO<sub>2</sub>) 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**

- |                                 |   |
|---------------------------------|---|
| - <b>Eye protection</b>         | : Where excessive dust may result, wear approved mask.  |
| - <b>Skin protection</b>        | : Not required.   |
| - <b>Hand protection</b>        | : In case of repeated or prolonged contact wear gloves. |
| - <b>Respiratory protection</b> | : 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)

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