

**Tryptone****TRP01 - TRP04****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Identification of the product : Substance  
Product code : TRP01 – TRP04  
Trade name : Tryptone  
CAS number : 91079-40-2  
Synonyms : Casein peptone plus

**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](http://www.formedium.com)  
E-mail: [info@formedium.com](mailto: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**

Not regulated

**Classification according to Regulation (EC) 1272/2008**

Not regulated

**Adverse physicochemical, human health and environmental effects**

No additional information available.

**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.

**Tryptone**
**TRP01 – TRP04**
**SECTION 3 Composition/information on ingredients**
**3.1. Substances**

Substance name:	Contents	CAS No:	EC No:	Annex No:	Ref REACH	Classification
Tryptone	> = 95 %	91079-40-2	293-428-4	--	--	Not classified

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

**Inhalation** : Remove victim to fresh air.  
**Skin contact** : Wash skin with mild soap and water.  
**Eye contact** : Rinse with plenty of water.  
**Ingestion** : Rinse mouth out with water.

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

**Symptoms and effects after inhalation** : Cough.

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

No additional information available.

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

**Suitable extinguishing media** : Water spray, Carbon dioxide (CO2), alcohol-resistant foam or Dry chemical powder.

**5.2. Special hazards arising from the substance or mixture**

**Hazardous decomposition products in case of fire** : Under fire conditions, hazardous fumes will be present. COx, NOx.

**5.3. Advice for firefighters**

**Precautionary measures fire** : Wear proper protective equipment.  
**Firefighting instructions** : Prevent fire-fighting water from entering the environment.

**Tryptone**
**TRP01 – TRP04**
**SECTION 6 Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

**General measures** : Wear proper protective clothing.

**6.1.1. For non-emergency personnel**

Measures in case of dust release : Avoid dust formation.

**6.1.2. For emergency responders**

: No additional information available.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters.

**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** : 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**

**Precautions for safe handling** : Avoid dust formation.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions** : Hygroscopic. Protect from moisture. Store in a dry, well-ventilated area. Keep container tightly closed. 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 additional information available.

**8.2. Exposure controls**

Type	Material	Permeation	Thickness (mm)	Standard
Gloves	Nitrile Rubber (NBR)	6 (> 480 minutes)	0.11	EN 374

- **Eye protection** : Safety glasses.
- **Skin and body protection** : In case of possible repeated skin contact wear protective clothing.
- **Respiratory protection** : Where excessive dust may result, wear approved mask. Type P1 (EN143)

## Tryptone

TRP01 – TRP04

## SECTION 9 Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	: Solid
<b>Appearance</b>	: Powder
<b>Colour</b>	: Cream
<b>Odour</b>	: Characteristic
<b>Odour threshold</b>	: No data available.
<b>pH</b>	: No data available.
<b>pH solution</b>	: 5 (6.5 – 7.5) %
<b>Relative evaporation rate (butylacetate = 1)</b>	: No data available.
<b>Melting point</b>	: No data available.
<b>Freezing point</b>	: No data available.
<b>Boiling point</b>	: No data available.
<b>Flash point</b>	: No data available.
<b>Auto-ignition temperature</b>	: No data available
<b>Decomposition temperature</b>	: No data available.
<b>Flammability (solid / gas)</b>	: Non flammable.
<b>Vapour pressure</b>	: No data available.
<b>Relative vapour density at 20°C</b>	: No data available.
<b>Relative Density</b>	: No data available.
<b>Solubility</b>	: Water : Readily soluble in water.
<b>Log Pow</b>	: No data available.
<b>Viscosity, kinematic</b>	: No data available.
<b>Viscosity, dynamic</b>	: No data available.
<b>Explosive properties</b>	: No data available.
<b>Oxidising properties</b>	: No data available.
<b>Explosive limits</b>	: No data available.

**9.2. Other information**

<b>Other properties</b>	: Total nitrogen 12.5 – 13.5% a-Amino nitrogen 3.0 – 4.0%
-------------------------	--

**Tryptone****TRP01 – TRP04****SECTION 10 Stability and reactivity****10.1. Reactivity**

None under normal conditions.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid**

Heat, Moisture.

**10.5. Incompatible materials**

No additional information available.

**10.6. Hazardous decomposition products**

None..

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

<b>Acute toxicity</b>	: Not classified
<b>Skin corrosion / irritation</b>	: Not classified
<b>Serious eye damage / irritation</b>	: Not classified
<b>Respiratory or skin sensitisation</b>	: Not classified
<b>Germ cell mutagenicity</b>	: Not classified
<b>Carcinogenicity</b>	: Not classified
<b>Reproductive toxicity</b>	: Not classified
<b>STOT – single exposure</b>	: Not classified
<b>STOT – repeated exposure</b>	: Not classified
<b>Aspiration hazard</b>	: Not classified

**11.2. Information on toxicological effects**

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 additional information available.

**12.2. Persistence and degradability**

No additional information available.

**12.3. Bioaccumulative potential**

No additional information available.

**Tryptone****TRP01 – TRP04****SECTION 12 Ecological information (Continued)****12.4. Mobility in soil**

No additional information available.

**12.5. Results of PBT and VPvB assessment**

No additional information available.

**12.6. Other adverse effects**

**Additional information** : Prevent entry to sewers and public waters. Avoid release to the environment.

**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.

**SECTION 13 Disposal considerations****13.1. Waste treatment methods**

**Waste treatment methods** Dispose in a safe manner in accordance with local / national regulations.  
Avoid release to the environment.

**SECTION 14 Transport information****In accordance with ADR / IATA / IMDG****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

**Tryptone****TRP01 – TRP04****SECTION 15 Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

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

No REACH Annex XVII restrictions.

Tryptone is not on the REACH candidate list.

Tryptone is not on the REACH Annex XIV list.

**15.1.2 National regulations**

Ensure all national / local regulations are observed.

**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**