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<b>CASAMINO ACIDS</b>		<b>CAS01 – CAS04</b>

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

### 1.1. Product identifier

**Identification of the product** : Raw material  
**Product code** : CAS01 – CAS04  
**Trade name** : Casamino Acids  
**Synonyms** : Casein Hydrolysate

### 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.  
 Unit 1B Hunstanton Commercial Park  
 Norfolk PE365JQ  
 Tel: +44(0)1485 609069  
 Fax: +44(0)1485 600510  
 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)  
 National Poison Information Centre : Europe UK : +44 0845 4647 (this service is only available to health professionals)  
 See [www.toxbase.org](http://www.toxbase.org) for a local poison centre

## SECTION 2 Hazards identification

### 2.1. Classification of the substance or mixture


:  
**Classification according to Regulation (EC) No 1272/2008**  
 Not regulated

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008**  
 Caution – substance not yet tested completely

### 2.3 Other hazards

None under normal conditions.

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**SECTION 3 Composition/information on ingredients**

**Components** : This product is not classified as hazardous.

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

- Inhalation** : If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- Skin contact** : Wash off with soap and plenty of water.
- Eye contact** : Flush eyes with water as a precaution.
- Ingestion** : Never give anything by mouth to an unconscious person.  
Rinse mouth with water.

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

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

**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, alcohol-resistant foam, dry chemical or Carbon Dioxide.

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

Nature of decomposition products not known.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus for fire fighting if necessary.

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### SECTION 6 Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapours, mist or gas.  
Avoid dust formation.

#### **6.2. Environmental precautions**

Do not let product enter drains.

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

Sweep up and shovel.  
Keep in suitable, closed containers for disposal.

#### **6.4. Reference to other sections**

For disposal see section 13.

### SECTION 7 Handling and storage

#### **7.1. Precautions for safe handling**

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.  
Normal measures for preventative fire protection.

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

Store in a dry, cool place.  
Keep container tightly closed in a dry and well-ventilated place.  
Store under inert gas. Moisture sensitive.

#### **7.3. Specific end use(s)**

Specific end use(s) : For research purposes only

### SECTION 8 Exposure controls/personal protection

#### **8.1. Control parameters**

Contains no substances with occupational exposure limit values.

#### **8.2. Exposure controls**

##### **Exposure controls**

**Appropriate engineering controls** : General industrial hygiene practice.

##### **Personal protective equipment**

- **Eye / face protection** : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
- **Skin protection** : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.  
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
- **Body protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- **Respiratory protection**: Respiratory protection is not required. Where protection from nuisance levels of dust are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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<b>SECTION 9 Physical and chemical properties</b>
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**Appearance**

<b>Form</b>	: Powder
<b>Colour</b>	: Beige
<b>Odour</b>	: No data available
<b>Odour threshold</b>	: No data available
<b>Flash point (°C)</b>	: No data available
<b>Solubility in water</b>	: No data available
<b>Relative Density</b>	: No data available
<b>Vapour pressure</b>	: No data available
<b>Melting point / Freezing point</b>	: No data available
<b>Boiling point (°C)</b>	: No data available
<b>Partition coefficient: n-octanol / water</b>	: log Pow : not determined
<b>pH</b>	: 6.0 – 7.0 at 25°C
<b>Evaporation rate</b>	: No data available
<b>Flammability (solid, gas)</b>	: No data available
<b>Auto ignition temperature (°C)</b>	: No data available
<b>Decomposition temperature</b>	: No data available
<b>Oxidising properties</b>	: No data available
<b>Explosive properties</b>	: No data available
<b>Lower explosion limit</b>	: No data available
<b>Upper explosion limit</b>	: No data available
<b>Viscosity</b>	: No data available

**9.2 Other information**

No additional information available

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### SECTION 10 Stability and reactivity

#### **10.1. Reactivity**

No data available.

#### **10.2 Chemical stability**

No data available.

#### **10.3. Possibility of hazardous reactions**

Dust may form explosive mixture in air.

#### **10.4. Conditions to avoid**

No data available.

#### **10.5. Incompatible materials to avoid**

Strong oxidizing agents.

#### **10.6. Hazardous decomposition products**

No data available.

### SECTION 11 Toxicological information

#### **11.1. Information on toxicological effects**

**Acute toxicity** : No data available

**Skin corrosion / irritation** : No data available

**Serious eye damage / eye irritation** : No data available

**Respiratory or skin sensitization** : No data available

**Germ Cell Mutagenicity** : No data available

**Carcinogenicity** : No data available

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or Confirmed human carcinogen by IARC.

**Reproductive toxicity** : No data available

**Specific target organ toxicity – single exposure** : No data available

**Specific target organ toxicity – repeated exposure** : No data available

**Aspiration hazard** : No data available

#### **Potential health effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

#### **Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

#### **Additional Information**

RTECS : Not available.

### SECTION 12 Ecological information

#### **12.1. Toxicity**

No data available.

#### **12.2. Persistence and degradability**

No data available.

#### **12.3. Bioaccumulative potential**

No data available.

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### SECTION 12 Ecological Information (continued)

#### **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.

### SECTION 13 Disposal considerations

#### **13.1. Waste treatment methods**

**Product** : Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging** : Dispose of as unused product.

### SECTION 14 Transport information

#### **14.1. UN Number**

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

#### **General information**

#### **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.

#### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

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