	<h1>SAFETY DATA SHEET</h1>	Page : 1
		Revised edition no : 0
		Date : 26 / 01 / 2018
		Supersedes : 31 / 7 / 2014
<h2>CASAMINO ACIDS</h2>		<h3>CAS01 – CAS04</h3>

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
CAS Number : 91079-40-2
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 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.

::

	SAFETY DATA SHEET	Page : 2
		Revised edition no : 0
		Date : 26 / 01 / 2018
		Supersedes : 31 / 7 / 2014
CASAMINO ACIDS		CAS01 – CAS04

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.

	<h1>SAFETY DATA SHEET</h1>	Page : 3
		Revised edition no : 0
		Date : 26 / 01 / 2018
		Supersedes : 31 / 7 / 2014
<h2>CASAMINO ACIDS</h2>		<h3>CAS01 – CAS04</h3>

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).

Formedium Ltd.


Unit 1B Hunstanton Commercial Park Norfolk PE365JQ

Tel: +44(0)1485 609069

Fax: +44(0)1485 600510

E-mail: info@formedium.com

In case of emergency :+44(0)1485 609069

	<h1>SAFETY DATA SHEET</h1>	Page : 4
		Revised edition no : 0
		Date : 26 / 01 / 2018
		Supersedes : 31 / 7 / 2014
<h2>CASAMINO ACIDS</h2>		<h3>CAS01 – CAS04</h3>

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

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

9.2. Other information

No additional information available

Formedium Ltd.


Unit 1B Hunstanton Commercial Park Norfolk PE365JQ

Tel: +44(0)1485 609069

Fax: +44(0)1485 600510

E-mail: info@formedium.com

In case of emergency :+44(0)1485 609069

	<h1>SAFETY DATA SHEET</h1>	Page : 5
		Revised edition no : 0
		Date : 26 / 01 / 2018
		Supersedes : 31 / 7 / 2014
<h2>CASAMINO ACIDS</h2>		CAS01 – CAS04

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.

	SAFETY DATA SHEET	Page : 6
		Revised edition no : 0
		Date : 26 / 01 / 2018
		Supersedes : 31 / 7 / 2014
CASAMINO ACIDS		CAS01 – CAS04

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. 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.

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