
Material Safety Data sheet**Section 1: Product and Company Information**

Product Name	Casein, Acid Hydrolysate		
Catalogue Number	i23037	Technical Phone	0098 21 66787291
E-mail	ibresco@gmail.com	Fax No	09391003565
Company Address	Zist Kavosh Iranian, No.432, East Kokab Av,45 Metri Golshahr, Karaj, Iran.		

Section 2: Hazards Identification**Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

Section 3: Composition / Information on Ingredients**Substances**

CAS Nom. 65072-00-6

EC Nom. 265-363-1

No components need to be disclosed according to the applicable regulations.

Section 4: First Aid Measures**Description of first aid measures**

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact Wash off with soap and plenty of water.

In case of eye contact Flush eyes with water as a precaution.

If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

No data available.

Section 5: Fire Fighting Measures

Extinguishing media	
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Nature of decomposition products not known.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	No data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.
Environmental precautions	No special environmental precautions required.
Methods and materials for containment and cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

Section 7: Handling and Storage

Precautions for safe handling	Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Non-Combustible Solids
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure Controls / Personal Protection

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.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., 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 le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	solid
Odor	No data available
Odor Threshold	No data available
pH	6.0-7.5
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	soluble
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Other safety information	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

Other decomposition products - No data available

In the event of fire: see section 5

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity	No data available Caseins, hydrolysates the constituent amino acids produced by the hydrolysis of caseins.
Skin corrosion/irritation	No data available (Caseins, hydrolysates the constituent amino acids produced by the hydrolysis of caseins.)
Serious eye damage/eye irritation	No data available (Caseins, hydrolysates the constituent amino acids produced by the hydrolysis of caseins.)
Respiratory or skin sensitization	No data available (Caseins, hydrolysates the constituent amino acids produced by the hydrolysis of caseins.)
Germ cell mutagenicity	No data available (Caseins, hydrolysates the constituent amino acids produced by the hydrolysis of caseins.)
Carcinogenicity	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 (Caseins, hydrolysates the constituent amino acids produced by the hydrolysis of caseins.)
Specific target organ toxicity - single exposure	No data available (Caseins, hydrolysates The constituent amino acids produced by the hydrolysis of caseins.)
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available (Caseins, hydrolysates The constituent amino acids produced by the hydrolysis of caseins.)
Additional Information	RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (Caseins, hydrolysates The constituent amino acids produced by the hydrolysis of caseins.)

Section 12: Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bio accumulative potential	No data available
Mobility in soil	No data available (Caseins, hydrolysates The constituent amino acids produced by the hydrolysis of caseins.)
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects	No data available

Section 13: Disposal Consideration

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

UN number	
ADR/RID	-
IMDG	-
IATA	-
UN proper shipping name	
ADR/RID	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods
Transport hazard class(es)	
ADR/RID	-
IMDG	-
IATA	-
Packaging group	
ADR/RID	-
IMDG	-
IATA	-
Environmental hazards	
ADR/RID	No
IMDG Marine pollutant	No
IATA	No
Special precautions for user	No data available

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment

For this product a chemical safety assessment was not carried out

Section 16: Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

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. *ibresco* shall not be held liable for any damage resulting from handling or from contact with the above product.

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