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

1.1 Product Identifiers

Product Name	**Casein Hydrolysate [Cas Amino acid Purified] (RDM-P-02)**
Product code	
CAS no.	65072-00-6
Brand	ReadyMED®

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses	Recommended for the growth supplement in bacteriological media used as a nitrogen source. Used for the analytical / microbial laboratory use /fermentation purpose only.

1.3 Details of the supplier of the safety data sheet

Company	**CHAITANYA AGRO BIOTECH PVT. LTD.** **CIN NO.: U24210MH1995PTC095220S,** S. No. 120/2, Laxmi Nagar, Umbarnala Road, Malkapur-443101, Dist.: Buldana (M.S.) India. Customer Care +91- 8669083859 rdmsales@chaitanyagroupindia.com, mkt.cabt@chaitanyagroupindia.com, www.chaitanyagroupindia.com

1.4 Emergency telephone number

Emergency Phone#	Local Emergency Service numbers where product is being used

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture	Non hazardous substances
2.2 Label elements	Non hazardous substances
2.3 Other hazards	None

SECTION 3: Composition/information on ingredients

3.1 Mixtures	None of the component needs to be disclosed as per the applicable regulatory norms

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	Consult physician with this safety data sheet
If inhaled	Move the person to fresh air; if person is unable to breath give artificial respiration and consult physician
In case of skin contact	Wash with soap and plenty of water in order to remove all contents from skin
If swallowed	Rinse mouth with water and consult physician.
4.2 Acute and delayed important symptoms and effects	No data available
4.3 Indication of any specific or immediate medical treatment needed	No data Available

SECTION 5: Firefighting measures

5.1 Extinguishing media	Use 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. (on burning may generate Carbon oxides, Hydrogen chloride gas,

	Sodium oxides)
5.3 Advice for fire fighters	Wear self-contained breathing apparatus for firefighting if necessary.
5.4 Further information	No data available

SECTION 6: Accidental release measures

6.1 Personal protective equipment and emergency procedures	Use personal protective equipment as per the local authority or the firm. Avoid dust formation and breathing dust. Avoid breathing vapours, mist or gas. Ensure adequate ventilation in area of work. For personal protection see section 8.
6.2 Environmental precautions	Do not let product enter drains.
6.3 Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust.	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 places where dust is formed.	Normal measures for preventive fire protection. For precautions see section 2.2. & 6.1
7.2 Conditions for safe storage, including any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic, Moisture sensitive.
7.3 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

8.1 Control parameters	Components with workplace control parameters and regulations
8.2 Exposure controls	
Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment	
Eye/face protection	Triple layered Surgical Face mask and Safety glasses with side-shields.
Skin protection	Use of proper gowning/ aprons, 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 in accordance with good laboratory practices.
Body Protection	Choose body protection in relation to its type, to the concentration and number of dangerous substances, and to the specific work-place
Respiratory protection	Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use triple layered surgical type or type P1
Control of environmental exposure	Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
a) Appearance	Form: powder Colour: Off white
b) pH	6.00 -7.50 at 25°C
c) Melting point/freezing point	No data available
d) Initial boiling point and boiling range	No data available
e) Flash point	No data available
f) Evaporation rate	No data available
g) Flammability (solid, gas)	No data available
h) Upper/lower flammability or explosive limits	No data available
i) Vapour pressure	No data available

j) Vapour density	No data available
k) Relative density	No data available
l) Water solubility	No data available
m) Partition coefficient: n-octanol/water	No data available
n) Auto-ignition temperature	No data available
o) Decomposition temperature	No data available
p) Viscosity	No data available
q) Explosive properties	No data available
r) Oxidizing properties	No data available
9.2 Other safety information	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products Hazardous decomposition products formed under fire conditions.	Nature of decomposition products not known. Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas, Sodium oxides Other decomposition products - No data available In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Oral LD 50 (Albino Rat) > 2100 mg/kg
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity IARC:	No components 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
Additional Information RTECS	Not available

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

SECTION 12: Ecological information

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bio-accumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
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. Contact a licensed professional waste disposal service to dispose of this material. OR Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an

	afterburner and scrubber.
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

Type of Material	Not dangerous goods
UN proper shipping number	There is no UN number allocated to non-hazardous substances. ADN: ADR: I ATA: IMDG: RID:
UN proper shipping name	ADN: Not regulated ADR: Not regulated IATA: Not regulated IMDG: Not regulated RID: Not regulated
Transport hazard class(es)	ADN: ADR: IATA: IMDG: RID:
Packaging group	ADN: ADR: IATA: IMDG: RID:
Environmental hazards	AND: no ADR: no IATA: no IMDG: no RID: no
D O T Classification	Not a DOT controlled material
Air Transport Goods Marine Transport Goods Land Transport Goods IATA Specification	Non-Hazardous / Non-Dangerous Classification
Special Provisions for Transport:	Not applicable

SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	Neither Banned nor Restricted
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	Neither Banned nor Restricted
Listed substance / Sunset Date	After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.
15.2 Chemical safety assessment	For this product a chemical safety assessment was not carried out

SECTION 16: Other Information

Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CAS no.: Chemical Abstracts Service Number
CLP: Classification, Labelling and Packaging
ECHA: European Chemical Agency
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
LD50: Median lethal dose
OECD: Organization for Economic Cooperation and Development
PBT: Persistent Bioaccumulative Toxic
REACH: Registration, Evaluation, Authorisation and restriction of Chemicals.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
RTECS: Registry Of Toxic Effects of Chemical Substances
vPvB: Very Persistent and Very Bioaccumulative

Disclaimer:

The information contained in the technical data sheet is to the best of our knowledge is accurate and true based on the research and development work carried out by **ReadyMED®**, Chaitanya Agro Biotech, Malkapur, Maharashtra. The products are neither intended for any therapeutic use for animal or human nor for any other *in-vivo* applications. The **ReadyMED®** products are only meant to be used for the laboratory, diagnostic, research, or further manufacturing purpose only. These technical outcomes should not be considered as the warranty of any kind expressed or implied, and no liability is accepted for infringement of any patent

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An ISO 11133:2014, ISO 13485:2016, ISO 9001:2015 CE

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