

Safety datasheet, PEPSIN

(1:10.000NF)

SECTION 1

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Pepsin 1: 10.000 NF Powder
Article number: P10KRV01
CAS Number: 9001-75-6
EC number: 232-629-3
Index number: 647-008-00-6

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

No further relevant information available

Application of the substance / the mixture

For veterinary inspection, diagnostics and research.

1.3 Details of the supplier of the safety data sheet

Manufacturer: ARGiP Technologies LTD
Unit 1 Dairy Park, Spring Gardens,
Whitland, Carmarthenshire
SA34 0HN, Wales
Tel.: +44 (0) 1994240550

1.4 Emergency telephone number

Emergency response telephone number:
Tel.: +44 (0) 1994240550

SECTION 2

Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 **H315** Causes skin irritation.
Eye Irrit. 2 **H319** Causes serious eye irritation.
Resp. Sens. 1 **H334** May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.

STOT SE 3 **H335** May cause respiratory irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms



Signal word Danger

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P405 Store locked up.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

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SECTION 3

Composition/information on ingredients

3.1 Chemical characterisation

Substances: Pepsin from porcine gastric mucosa.

CAS No. Description: 9001-75-6 Pepsin

Identification number(s)

EC number: 232-629-3

Index number: 647-008-00-6

SECTION 4

First aid measures

4.1 Description of first aid measures

After inhalation:

Supply fresh air. In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water. Consult a doctor. Induce vomiting and call for medical help.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5

Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

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5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

SECTION 6

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and materials for containment and cleaning up

Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7

Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Requirements to be met by storerooms and receptacles: *No special requirements.*

Information about storage in one common storage facility: *Not required.*

Further information about storage conditions:

Store in a cool place. Store in dry conditions. This product is hygroscopic. Store in cool, dry conditions in well-sealed receptacles.

7.3 Specific end use(s)

No further relevant information available.

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SECTION 8

Exposure controls/personal protection

Additional information about design of technical facilities: *No further data; see item 7.*

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Not required.

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection:

Suitable respiratory protective device recommended. Filter P3

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

In full contact

Layer thickness: 0.11 mm
Breakthrough time: >480 Min.

In splash contact

Layer thickness: 0.11 mm
Breakthrough time: >480 Min.



Eye protection:

Tightly sealed goggles

Body protection: Protective work clothing

SECTION 9

Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information, Appearance:

Form:	Solid
Colour:	Beige
pH-value:	3,5 – 4,5
Odour:	Characteristic
Odour threshold:	Not determined.

General information, Change in condition:

Melting point/freezing point:	n/a
Initial boiling point and boiling range:	n/a
Flash point:	n/a
Flammability (solid,gas):	product is not flammable
Decomposition temperature:	not determined
Auto-ignition temperature:	not determined
Explosive properties:	no explosion hazard
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Vapour pressure:	not applicable
Density:	not determined
Bulk density:	not determined
Relative density:	not determined
Vapour density:	not applicable
Evaporation rate:	not applicable
Solubility in water	soluble 30-50%
Dynamic viscosity:	not applicable
Kinematic viscosity:	not applicable

9.2 Other information

Very slightly soluble in water; insoluble in organic solvents

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SECTION 10

Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

Conditions to be avoided: Warming, >38°C.

10.3 Possibility of hazardous reactions

Reacts with strong oxidising agents.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No information avoided.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11

Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Primary irritant effect

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled. After inhalation: Irritations of the mucous membranes, coughing, and dyspnoea.

Risk of sensitization.

Additional toxicological information:

After swallowing: irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12

Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects

Remark:

Biological effects:

Bacterial toxicity: bacteria EC0: >2000 mg/l/7d.

Remark:

No ecological problems are to be expected when the product is handled and used with due care and attention.

Additional ecological information, general notes:

Water hazard class 1 (German Regulation)

(Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: *Not applicable.*

vPvB: *Not applicable.*

12.6 Other adverse effects

No further relevant information available.

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SECTION 13

Disposal considerations

13.1 Waste treatment methods

Recommendation

Must be specially treated adhering to official regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: *Disposal must be made according to official regulations.*

Recommended cleansing agents: *Water, if necessary together with cleansing agents.*

SECTION 14

Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA *void*

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA *void*

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class *void*

14.4 Packing group

ADR, IMDG, IATA *void*

14.5 Environmental hazards:

Marine pollutant: *no*

14.6 Special precautions for user

n/a

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code n/a

Transport/Additional information: *Not dangerous according to the above specifications*

UN "Model Regulation": *void*

SECTION 15

Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

15.2 Chemical safety assessment

A Chemical Safety Assessment hasn't been carried out

SECTION 16

Other information

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. However, the information is provided without any representation or warranty, expressed or implied regarding its accuracy or correctness. The Company cannot assume responsibility for adverse events which may occur in the use and/or misuse of this product and expressly disclaims liability for loss, damage and/or expense arising out of or in any way connected with the handling, storage, use and/or disposal of this product.

Department issuing SDS:

ARGiP Technologies LTD Quality Assurance

Contact: regulatory@argip.co.uk

Abbreviations and acronyms:

RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO:	International Civil Aviation Organisation
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Skin Irrit. 2:	Skin corrosion/irritation – Category 2
Eye Irrit. 2:	Serious eye damage/eye irritation – Category 2
Resp.Sens.1:	Respiratory sensitisation – Category 1
STOT SE 3:	Specific target organ toxicity (single exposure) – Category 3

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