

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

1.1. Product identifier

Product name : BSA Protease Free - 30% solution
Reference : 1005-30

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

Use of the substance/mixture : Raw material for research or manufacture of in vitro diagnostic reagents. Not for therapeutic use.

1.3. Details of the supplier of the safety data sheet

Company : H2B
ESTER Technopole - 6 Allée Skylab
87068 LIMOGES Cedex- FRANCE
Contact : ☎ +33 5 19 08 00 20
☎ +33 5 55 35 95 44
✉ info.ivd@seqens.com

1.4. Emergency telephone number

Country	Company	Address	Emergency number	Comment
France	H2B		+33 5 19 08 00 20	Office hours only

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP Regulation (EC) n°1272/2008:

The product is not classified as dangerous according to CLP Regulation (EC) N°1272/2008

2.2. Label elements

CLP Regulation (EC) n°1272/2008

None

2.3. Other hazards

Non applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Components :

In accordance with Annex II of Regulation (EC) n°1907/2006 (point 3), the product contains:

Name	Product identifier	%	Classification
Albumins, blood serum	(CAS Number) 9048-46-8 (EC Number) 232-936-2	30	Not classified

No substances of the product are present at concentrations considered to be hazardous to health.

3.2. Mixtures

Non applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Consult a physician. Show this Material Safety Data Sheet to the Doctor in attendance.
In case of skin contact : Wash with soap and plenty of water.
In case of eye contact : Rinse thoroughly with plenty of water until complete elimination of the product.
If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water.
If inhaled : Move the person outside the contaminated area. If not breathing, give artificial respiration.

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

Acute and delayed effects are indicated in sections 2 and 11.

4.3. Indication of any immediate medical attention and special treatment needed

Non applicable

SECTION 5: Firefighting measures

5.1. Extinguishing media

Product is non-flammable, use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Isolate leaks provided that there is no additional risk for the people performing this task.

6.2. Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3. Methods and material for containment and cleanup

Absorb the spillage using sand or insert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4. Reference to other sections

See sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle with care. Protect from contamination.

7.2. Conditions for safe storage, including any incompatibilities

Keep in the original packaging tightly closed. Store in a cold place, at +2°C / +8°C, in a dry and well ventilated area. Light sensitive.

7.3. Specific end use(s)

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

There are no occupational exposure limits for the substances contained in the product.

8.2. Exposure controls

Eye/face protection	: Wear safety glasses.
Skin protection	: Handle with gloves.
Respiratory protection	: The use of protection equipment will be necessary if a mist forms or if occupational exposure limits are exceeded.
Thermal hazard	: Non applicable
Hygiene measures	: Handle in accordance with Good Industrial and Safety Practice. Wash hands before breaks and at the end of workday.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	: Limpid liquid
Colour	: Amber
Physical state at 20°C	: Fluid
Odour	: No data available
Odour threshold	: No data available
pH	: 6.5 – 7.4
Melting point/freezing point	: No data available
Boiling point	: 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
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Solubility	: No data available
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
Oxidising properties	: No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions.

10.2. Chemical stability

The product is stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Under the recommended conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

Contaminated environment.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Depending on the decomposition conditions, complex mixtures of chemical substances can be released (carbon oxides and other organic compounds).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: No data available
Skin corrosion/irritation	: May cause skin irritation depending on sensitivity and exposure.
Serious eyes damage/irritation	: May cause eyes irritation
Respiratory or skin sensitisation	: No data available
Germ cell mutagenicity	: No component of this product, present at levels greater than or equal to 0.1 %, is identified as mutagenic.
Carcinogenicity	: No component of this product, present at levels greater than or equal to 0.1 %, is identified as carcinogenic.
Reproductive toxicity	: No component of this product, present at levels greater than or equal to 0.1 %, is identified as reprotoxic.
Specific target organ specificity - single exposure	: No data available
Specific target organ specificity - repeated exposure	: No data available
Aspiration hazard	: No data available

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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

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 : Dispose according to local administration advice, respecting laws and rules in force. Be in contact with a licensed professional waste disposal service, in order to eliminate the product. Dissolve or mix the product 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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

14.6. Special precaution for user

Non applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Non applicable

SECTION 15: Regulatory information

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

Non applicable

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

This material safety data sheet should be used jointly with the technical data sheet. The information in this document has been established on the basis of our knowledge at the date of edition of the document and is not exhaustive. The user must be aware of the possible risks linked to product uses different than those for which it is intended. It is the sole responsibility of the user to take all safety measures required when handling the product, and to know and apply regulations concerning its activity. This document does not exempt the user from ensuring that legal obligations, differing from those mentioned concerning product uses and storage, do not exist.