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

1.1 Product identifiers

Product Code:	abx150328
Product Name:	Carnosine ELISA Kit
CAS number:	None
Commodity Code (Harmonized Code)	3822000000
REACH No.	A registration number is not available for this kit as its substances or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Recommended uses:	For research use only.
Uses advised against:	No information available.

1.3 Details of the supplier of the safety data sheet

Company:	Abbexa Ltd. Innovation Center Cambridge Science Park CB4 0FN, UNITED KINGDOM
Telephone:	+44 (0)1223 755950
Fax:	+44 (0)1223 755951
E-mail address:	info@abbexa.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC. According to the OSHA Hazard Communication Standard 29CFR 1910:1200, these products are not considered hazardous.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws as it is not dangerous. Precautionary statements (EU) No. 28 1272/2008, wear protective gloves/protective clothing.

2.3 Other hazards

Physical/chemical hazards:	Not applicable.
Human health hazards:	No specific hazard.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical Name	EC No	CAS No	Weight %	Classification (67/548)	REACH Registration Number	Calssification (Reg. 1272/2008)
Sodium azide	247-852-1	26628-22-8	0%	T+; R27/28 R32 N; R50/53	No data available.	Acute Tox. 2 (H300) Acute Tox. 1 (H310) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (EUH032)
Sulphuric acid	231-639-5	7664-93-9	0.1%	C Corrosive R35	No data available.	Corrosive to metals (Category 1, H290) Skin corrosion (Category 1A, H314)
Glycerol	200-289-5	56-81-5	0%	Not classified.	1907/2006/EC Annex V.9	Not classified.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:	Show this safety data sheet to the doctor in attendance.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Loosen tight clothing such as tie, belt or waistband. Get medical attention.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Wash off with soap and plenty of water. Remove contaminated clothing and shoes. Wash any contaminated clothing or shoes before reuse. Get medical attention
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and get medical attention.
Aggravating conditions:	Repeated or prolonged exposure is not known to aggravate medical condition.

4.2 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.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. 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

Absorb liquid with an absorbent material. Transfer contaminated absorbent to a chemical waste container for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Wash hands after handling. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Use original container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 4 Â°C

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient name:	Occupational exposure limits.
Glycerol:	EH40-OES (United Kingdom (UK), 5/2003). TWA: 10 mg/m ³ 8 hour(s). Form: Mist EH40-WEL (United Kingdom (UK), 1/2005). TWA: 10 mg/m ³ 8 hour(s). Form: All forms
Sodium azide:	EH40-OES (UK) TWA: 0.1 mg/m ³ 8 hour(s). ACGIH: Ceiling Exposure Limit 0.29 mg/m ³ . OSHA: Ceiling Exposure Limit 0.3 mg/m ³ .
Sulphuric acid:	EH40-WEL TWA: Ceiling Exposure Limit 0.05 mg/m ³ .

Remarks

Store in cool place. Use original container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 4 Â°C

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

Safety glasses with side-shields conforming to EN166 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

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination US or type ABEK - EN 14387 respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH US or CEN EU.

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

Appearance (Form):	Clear colorless liquid.
Odour:	No data available.
Odour Threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	Essentially that of Water.
Initial boiling point and boiling range:	Essentially that of Water.
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.
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.

9.2 Other safety information

None applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity

No known reactions when used as described.

10.2 Chemical stability

Product is stable under normal operating conditions and use as described in the product technical data sheet.

10.3 Possibility of hazardous reactions

No known hazardous reactions when used as described in the product technical data sheet.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological data: Toxicological information for this product as a whole does not exist, below is data for the individual components.

Acute toxicity:	Glycerol:	LD50 (Rat)	Oral 12,600 mg/kg	Behavioural: General anaesthetic Behavioural: Muscle weakness Liver: Other changes
	Sodium azide:	LD50 (Rat)	Oral 27 mg/kg	Kidneys: Other changes
	Sulphuric acid:	LD50 (Rat)	Oral 2140 mg/kg	Acute toxicity. Corrosive to skin and eyes.

Skin corrosion /irritation: May cause skin irritation.

Serious eye damage/eye irritation:

May cause eye irritation.

Respiratory or skin

sensitization:

No data available.

Germ cell mutagenicity:

No data available.

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.

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

The product is not subject to OSHA classification according to internally approved calculation methods for preparations. When used and handled according to specifications, this product does not have any harmful effects according to our experience and the information provided to us.

SECTION 12: Ecological information

Data not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:	Dispose of in accordance with all applicable local and national regulations. Must adhere to state and federal regulations. Smaller quantities can be disposed of with solid waste. Disposal must be made according to the regulations found in 40 CFR 261. This product is not considered a RCRA hazardous waste.
Contaminated packaging:	Dispose of as unused product.

SECTION 14: Transport information

14.1-5 UN number, groups, classes

DOT:	Not Regulated.
ADR/RID:	This substance is considered non-hazardous for land transport.
IMDG:	This substance is considered non-hazardous for sea transport.
IATA:	This substance is considered non-hazardous for air transport.
IATA-DGR:	This substance is considered non-hazardous for air transport.

14.6 Special precautions for user

No data available.

SECTION 15: Regulatory information

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

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

No data available.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Further information

To the best of our knowledge, the information contained herein is accurate. However, neither Abbexa Ltd nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. **This product is intended for research use only.**