

Protein Testing Kit

Test for detection of Protein Residue

Scientifically developed for the detection of protein

Revision Date: 21/05/2015 | Revision: 1.0 CLP | Supersedes Date: 07/10/2013



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

1.1. Product identifier

Product name Alkapharm Protein Test Kit

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

Product Use [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU10] Formulation [mixing] of preparations and/or re-packaging (excluding alloys); [PC0] Other; [PROC8b] Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities;

1.3. Details of the supplier of the safety data sheet

Company Alkapharm UK Limited
Address Pillaton Hall
Pillaton, Penkridge
Stafford
ST19 5RZ
UK
Web www.alkapharm.co.uk
Telephone 01785 714919
Fax 01785 716951
Email sales@alkapharm.co.uk

1.4. Emergency telephone number

Emergency telephone number 01785 714919



SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards 1999/45/EC R10: Main hazards Flammable.

2.2. Label elements

Hazard pictograms

Signal Word Warning

Hazard Statement Flam. Liq. 3: H226 - Flammable liquid and vapour.

Precautionary Statement:

Prevention

P102 - Keep out of reach of children.

P103 - Read label before use.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting// equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement:

Response

P101 - If medical advice is needed, have product container or label at hand.

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370+P378 - In case of fire: Use alcohol resistant foam, Carbon dioxide (CO2), Use extinguishing media appropriate to the surrounding fire conditions. to extinguish.

Precautionary Statement:

Storage

P403+P235 - Store in a well-ventilated place. Keep cool.



Precautionary Statement:

Disposal

P501 - Dispose of contents/container to a licensed waste disposal company in compliance with local and national regulations.

2.3. Other hazards

This product does not contain any PBT or VPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Ethanol	603-002-00-5	64-17-5		200-578-6	30 - 40% F; R11		
GLYCEROL (Glycerol, mist)		56-81-5		200-289-5	30 - 40%		
CITRIC ACID		5949-29-1		201-069-1	1 - 10% Xi; R36/37/38		
2-Methylpropan-2-ol	603-005-00-1	75-65-0		200-889-7	0 - 0.5% F; R11 Xn; R20 Xi; R36/37		

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Ethanol	603-002-00-5	64-17-5		200-578-6	30 - 40%	Flam. Liq. 2: H225;	
GLYCEROL (Glycerol, mist)		56-81-5		200-289-5	30 - 40%		
CITRIC ACID		5949-29-1		201-069-1	1 - 10% Xi;	Skin Irrit. 2: H315;	
					Eye Irrit. 2: H319; STOT SE 3: H335;		

Further information For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Considered to be not hazardous by inhalation. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	No irritation expected. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Seek medical attention if irritation or symptoms persist.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

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

Inhalation	No specific symptoms noted.
Eye contact	May cause irritation to eyes.
Skin contact	No specific symptoms noted.
Ingestion	No specific symptoms noted.

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

If you feel unwell, seek medical advice (show the label where possible). No specific first aid measures noted.

SECTION 5: Firefighting measures

5.1. Extinguishing media	Alcohol resistant foam. Carbon dioxide (CO ₂). Use extinguishing media appropriate to the surrounding fire conditions.
5.2. Special hazards arising from the substance or mixture	Vapour may travel considerable distance to source of ignition and flash back.
5.3. Advice for firefighters	Wear protective gloves/protective clothing/eye protection/face protection. Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting// equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery.

6.2. Environmental precautions

Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Do not flush into surface water. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Use of non-sparking tools and equipment where applicable.

6.4. Reference to other sections

For waste disposal see Section 13. For details of suitable protective equipment: See Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapour may travel considerable distance to source of ignition and flash back. Keep container tightly closed. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting// equipment. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/face protection. Remove contaminated clothing and protective equipment before entering eating areas. Do not eat, drink or smoke in areas where this product is used or stored. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Do NOT allow to freeze.

7.3. Specific end use(s) Restricted to professional users.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

2-Methylpropan-2-ol	WEL 8-hr limit ppm: 100	WEL 8-hr limit mg/m3: 308
	WEL 15 min limit ppm: 150	WEL 15 min limit mg/m3: 462
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -
Ethanol	WEL 8-hr limit ppm: 1000	WEL 8-hr limit mg/m3: 1920
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -
GLYCEROL (Glycerol, mist)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 10
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep containers tightly closed. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting// equipment. Use only non-sparking tools. Keep in a cool, dry, well ventilated area.

8.2.2. Individual protection measures

Wear protective gloves/protective clothing/eye protection/face protection.

Eye / face protection In case of splashing, wear:.. Approved safety goggles. Provide eye wash station.

Skin protection Handprotection Neoprene gloves.

Respiratory protection Wear suitable respiratory equipment when necessary.

8.2.3. Environmental exposure controls

Do not empty into drains. Do not flush into surface water. Prevent further spillage if safe.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid.
Colour	Yellow
Odour	Alcoholic
pH	2 - 3
Flash point	27
Relative density	0.9 - 1.1

9.2. Other information

Not relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity	Avoid sparks, flames, heat and sources of ignition.
10.2. Chemical stability	Stable under normal conditions. Will not decompose if stored and used as recommended.
10.3. Possibility of hazardous reactions	Strong acids and strong bases. Strong oxidising agents.
10.4. Conditions to avoid	Heat, sparks and open flames. Do NOT allow to freeze.
10.5. Incompatible materials	Strong acids. Strong bases. Strong oxidising agents.
10.6. Hazardous decomposition products	Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Based on available data the classification criteria are not met.
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	Not classified as a specific target organ toxicant after a single exposure.
STOT-repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	Based on available data the classification criteria are not met.
11.1.4. Toxicological Information	No data available

SECTION 12: Ecological information

12.1. Toxicity	No data available
12.2. Persistence and degradability	The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in the Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
12.3. Bioaccumulative potential	No data is available on this product.
12.4. Mobility in soil	The product is soluble in water.
12.5. Results of PBT and vPvB assessment	This product does not contain any PBT or VPvB substances.
12.6. Other adverse effects	Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Contact a licensed waste disposal company. Dispose of as special waste in compliance with local and national regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: Transport information

14.6. Special precautions for user

Hazard pictograms		
14.1. UN number	UN1993	
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S.	
14.3. Transport hazard class(es)		
ADR/RID	3	Subsidiary risk -
IMDG	3	Subsidiary risk -
IATA	3	Subsidiary risk -
14.4. Packing group	Packing group III	
14.5. Environmental hazards	Environmental hazards	No
14.6. Special precautions for user	Not applicable.	
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		
Not applicable.		
ADR/RID		
Hazard ID	30	



Marine pollutant

No

Tunnel Category	(D/E)			
IMDG				
EmS Code	F-E S-E			
IATA				
Packing Instruction	(Cargo)	366	Maximum quantity	220 L
Packing Instruction	(Passenger)	355	Maximum quantity	60 L

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Commission Directive 2000/39/EC of 8 June 2000 established a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

15.2. Chemical safety assessment No chemical safety assessment has been carried out.

SECTION 16: Other information

Other information

Text of risk phrases in Section 3

R11 - Highly flammable.

R20 - Harmful by inhalation.

R36/37/38 - Irritating to eyes, respiratory system and skin.

R36/37 - Irritating to eyes and respiratory system.

Text of Hazard Statements in Section 3

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Skin Irrit. 2: H315 - Causes skin irritation.

Eye Irrit. 2: H319 - Causes serious eye irritation.

STOT SE 3: H335 - May cause respiratory irritation.

Glossary:

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

PBT Persistent, bioaccumulative, toxic

RID Convention concerning International Carriage by Rail

vPvB very persistent, very bioaccumulative

STOT Specific Target Organ Toxicity

WEL Workplace Exposure Limit.

General information

Only trained personnel should use this material.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy, reliability or completeness. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. It is the user's responsibility to satisfy him/herself as to the suitability of such information for his/her own particular use.