

PROTEEN™


SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	PROTEEN™.
Product code	6736
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Protein stain spotting agent.
Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Fabritec International 8145 Holton Drive Suite 110 Florence, KY (Kentucky) 41042 USA.
Telephone	1-859-781-8200
Fax	1-859-781-8280
E-Mail (competent person)	Chemtrec@Chemtrec.com
1.4 Emergency telephone number	
Emergency Phone No.	CHEMTREC assistance: 1-703-741-5500 (USA)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Skin Irrit. 2; Causes skin irritation. Eye Dam. 1; Causes serious eye damage.
2.1.2 Directive 67/548/EEC & Directive 1999/45/EC	Not classified as dangerous for supply/use.
2.2 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) PROTEEN™.
Hazard Pictogram	
Signal word(s)	GHS05 Danger.
Hazard statement(s)	H315: Causes skin irritation. H318: Causes serious eye damage.

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Precautionary statement(s)

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P310: Immediately call a POISON CENTER/doctor.
P302+P352: IF ON SKIN: Wash with plenty of water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362 + P364: Take off contaminated clothing and wash it before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

None.

2.4 Additional Information

None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Ammonia, aqueous solution	<5	1336-21-6	215-647-6	None assigned	GHS05, Skin Corr. 1B; H314, Aquatic Acute 1; H400
Amides, coco, N,N-bis(hydroxyethyl)	<1	68603-42-9	271-657-0	None assigned	GHS07, Skin Irrit. 2; H315, Eye Irrit. 2; H319
Sodium dodecyl sulphate	<1	151-21-3	205-788-1	None assigned	GHS02, Flam. Sol. 2; H228, GHS05, Eye Dam. 1; H318, GHS07, Acute Tox. 4; H302, H332, Skin Irrit. 2; H315, STOT SE 3; H335, Aquatic Chronic 3; H412

EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Ammonia, aqueous solution	<5	1336-21-6	215-647-6	None assigned	C; R34, N; R50
Amides, coco, N,N-bis(hydroxyethyl)	<1	68603-42-9	271-657-0	None assigned	Xi; R36/38
Sodium dodecyl sulphate	<1	151-21-3	205-788-1	None assigned	F; R11, Xn; R20/22, Xi; R37/38, R41

3.2 Additional Information

For full text of H/P phrases see section 16.

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4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation
Skin Contact

Remove persons affected by vapour to fresh air.
IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion

Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Skin Contact: Causes skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Eye Contact: Causes serious eye damage.

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media
Unsuitable Extinguishing Media

Use water spray, foam, dry powder or CO2 to extinguish.

None known.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Wear suitable eye/face protection.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage Temperature
Storage Life
Incompatible materials

Ambient.

Stable under normal conditions.

None known.

7.3 Specific end use(s)

Protein stain spotting agent.

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8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
None assigned						

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection

Wear eye protection with side protection (EN166).



Skin protection (Hand protection/ Other)

Wear protective gloves.



Respiratory protection

Normally no personal respiratory protection is necessary.
Handling of larger amounts: A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Blue tint.
Odour	Mild ammonia.
Odour Threshold	Not established.
pH	10 @ 20°C
Melting Point/Freezing Point	-10 - 0°C
Initial boiling point and boiling range	100°C
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Density	1.0 @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.

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	Viscosity	Not available.
	Explosive properties	Not explosive.
	Oxidising properties	Not oxidising.
9.2	Other information	
	Solvent content	95% (Water)

10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	Stable under normal conditions.
10.4	Conditions to avoid	None known.
10.5	Incompatible materials	None known.
10.6	Hazardous Decomposition Product(s)	None known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
11.1.1	Mixtures	
	Acute toxicity	Low acute toxicity.
	Irritation	Skin Irrit. 2; Causes skin irritation.
	Corrosivity	Eye Dam. 1; Causes serious eye damage.
	Sensitisation	It is not a skin sensitiser.
	Repeated dose toxicity	Not classified.
	Carcinogenicity	No evidence of carcinogenicity.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	None anticipated.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	No information available.
12.3	Bioaccumulative potential	No information available.
12.4	Mobility in soil	Soluble in water. The product is predicted to have high mobility in soil.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose at suitable refuse site.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	UN number	Not applicable.
14.2	UN Proper Shipping Name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packing Group	Not applicable.
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	Not applicable.

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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	
Authorisations and/or restrictions on use	
Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
Community Rolling Action Plan (CoRAP); Draft 04/11/2013	All chemicals are not listed.
15.1.2 National regulations	None known.
15.2 Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Flam. Sol. 2	Flammable solid Category 2
Acute Tox. 4	Acute toxicity Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Eye Dam. 1	Serious eye damage/irritation Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Aquatic Acute 1	Hazardous to the aquatic environment Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment Category 3
C	Corrosive
F	Flammable
N	Dangerous for the environment.
Xn	Harmful
Xi	Irritant

Risk Phrases










R11	Highly flammable.
R34	Causes burns.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R20/22	Harmful by inhalation and if swallowed.
R36/38	Irritating to eyes and skin.

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Hazard statement(s) and Precautionary Statement(s)

H228	Flammable solid.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
P264	Wash thoroughly after handling.

Hazard pictogram(s) and Hazard Symbol

GHS02		C	
GHS05		F	
GHS07		N	
GHS09		Xi	
		Xn	

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.