

Safety Data Sheet

In accordance with REACH Regulation EC No.1907/2006

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

1.1. Product identifier

Product name: Phytokeratin Liquid
CAS number: See section 3.2
EINECS number: See section 3.2
Synonyms: -
INCI name: Water, Hydrolyzed Corn Protein, Hydrolyzed Wheat Protein, Hydrolyzed Soy Protein, Phenoxyethanol

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

Use of substance/mixture: Topical cosmetic use.
Uses advised against: None.

1.3. Details of the supplier of the safety data sheet

Company name: Bath and Body Base Ltd
2A Laurel Way
Bishop Auckland
Co. Durham
DL14 7NF
Tel: 07493 064263
Email: technical@bathandbodybase.com

1.4. Emergency telephone number

Emergency tel: 07493 064263

Section 2: Hazards identification

2.1. Classification of the substance or mixture

GHS/CLP Basis for classification: Based on present data no classification and labelling is required according to GHS, taking into account the national implementation (United Nations version 2011).
USA OSHA regulatory status: This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).
Europe Basis for classification: According to present data no classification and labelling is required according to Regulation (EC) No. 1272/2008. This product is not classified as hazardous to health or environment according to the CLP regulation.
Nature of special risks attributed: None in particular.

2.2. Label elements

Hazard statements: Not applicable.

Signal words: Not applicable.

Hazard pictograms: No hazard symbol expected.

Precautionary statements: P233: Keep container tightly closed.
P281: Use personal protective equipment as required.
P402: Store in a dry place.
P404: Store in a closed container.
P410: Protect from sunlight.
P411: Store at temperatures not exceeding 32°C.

2.3. Other hazards

No particular fire or explosion hazard: By mechanical effect: No particular hazards
By hygroscopic effect: No particular hazards

US NFPA 704 (national fire protection association) hazard rating system: Health hazard: Rating 0, normal material
Flammability: Rating 0, will not burn
Reactivity: Rating 0, stable
Other Hazard Information: None

Results of PBT and vPvB assessment: PBT: Not applicable
vPvB: Not applicable

Section 3: Composition/information on ingredients

3.1. Substances

Common chemical name: Hydrolyzed Corn Protein & Hydrolyzed Wheat Protein & Hydrolyzed Soy Protein

Chemical family: Proteins

3.2. Mixtures

Substance	CAS Numbers	EC Numbers	Percentage
Water	7732-18-5	231-791-2	73.50 – 79.50%
Hydrolyzed Corn Protein	73049-73-7 (or) 100209-41-4	N/A (or) 309-349-6	6.70 – 8.30%
Hydrolyzed Wheat Protein	70084-87-6 (or) 94350-06-8	N/A (or) 305-225-0	6.70 – 8.30%
Hydrolyzed Soy Protein	68607-88-5	271-770-5	6.70 – 8.30%
Phenoxyethanol	122-99-6	204-589-7	0.90 – 1.10%

Section 4: First aid measures

4.1. Description of first aid measures

General advice: In all cases of doubt, or when symptoms persist, seek medical attention.

Skin contact: Rinse immediately with soap and water. Get medical advice if irritation develops.

Eye contact: Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician.

Ingestion: Consult with a physician.

Inhalation: Move to fresh air from exposure area. Get medical attention for any breathing difficulty.

Protection of first-aiders: No special protection required.

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

Symptoms and effects: No data available.

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

Indication: No data available.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water, dry chemicals, foam and carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Unusual fire and explosion hazards: None known.

5.3. Advice for fire-fighters

Special fire-fighting procedures: Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low area.

Protection for fire-fighters: Boots, gloves, goggles.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Avoid contact with eyes.

For emergency responders: Avoid contact with eyes.

Personal Protective Equipment: Protective goggles.

6.2. Environmental precautions

Environmental protection measures: Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system.

6.3. Methods and material for containment and cleaning up

Recovery: Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material. Sweep or vacuum up any powder and place in a clearly labelled waste container, avoiding dust formation.

Cleaning/decontamination: Wash non-recoverable remainder with water.

6.4. Reference to other sections

Reference to other sections: Refer to Section 8 and 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Technical measures:	Labelling: Keep out of the reach of children.
Measures:	For industrial use, only as directed.
Safe handling advice:	Wash hands after use. Avoid storage near feed or food stuff.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:	Keep container closed.
Recommended storage conditions:	Store in a dry place at temperatures not exceeding 32°C. Based on stability studies, the optimum storage temperature for maximization of shelf life is 23 - 25°C. However, it may be stored at temperatures between 16 and 32°C if such specific temperature control is not available. Do not freeze. Please refer to stability data for effects heat or cold may have on the specifications of the product.
Incompatible products:	Avoid contact with strong oxidizers. Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity).
Packaging:	Product may be packaged in normal commercial packaging.
Packaging materials:	Recommended - Polypropylene and High Density Polyethylene.

7.3. Specific end use(s)

Specific end use(s):	Cosmetic use.
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Section 8: Exposure controls/personal protection

8.1. Control parameters

Precautionary statements:	Ensure adequate ventilation.
Occupational exposure limits:	France: Not Determined ACGIH: Not Determined Korea: Not Determined UK: Not Determined Surveillance procedures: Not Determined Engineering measures: Not Determined

8.2. Exposure controls

Respiratory protection:	Local exhaust.
Hand protection:	Protective gloves made of rubber or neoprene.
Eye protection:	Safety glasses.
Collective emergency equipment:	Eye fountain.
Skin protection:	Suitable protective clothing.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.
Environmental:	No particular measures.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Clear to hazy, brown coloured liquid
Colour (Gardner):	13 Maximum
Odour:	Slight, characteristic
Evaporation residue (JSCI (1g-1hr-105°C)):	20.00% Minimum
pH (JSCI direct):	5.00 – 6.00
Residue on ignition (JSCI (method 2, 1g, 600°C)):	4.00% Maximum
Identification 1 (Sodium Hydroxide + Cupric Sulfate):	Positive
Identification 2 (Ninhydrin TS):	Pass
Identification 3 (10ml of FSS Plant Keratin PET into 20ml screw tube, heat in a 105°C Thermostat for 30 min):	Pass
Phenoxyethanol:	0.9 – 1.1%
Heavy metals (JSCI (method 2, 1.0g, lead standard solution, 2.0mL)):	<20ppm
Lead:	<10ppm
Arsenic (JSCI (method 3, 1.0g, Apparatus B)):	<2ppm
Cadmium:	<1ppm
Microbial content:	<100CFU/g; No pathogens
Yeast/mould:	<100CFU/g
Gram negative bacteria:	0CFU/g
Specific gravity:	1.05
Vapor density:	Not applicable
Boiling point:	100°C
Freezing point:	0°C
Melting point:	Not applicable
Flashpoint:	>200°F
Oxidizing properties:	Non oxidizing material according to EC criteria.
Solubility:	In water: Soluble In organic solvents: Not determined Log P: Not determined

9.2. Other information

Other information:	Not applicable.
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Section 10: Stability and reactivity
10.1. Reactivity

Reactivity: None known.

10.2. Chemical stability

Stability: Stable under ordinary conditions of use and storage up to one year then re-test to full product specifications to extend shelf life.

10.3. Possibility of hazardous reactions

Hazardous reactions: None known.

10.4. Conditions to avoid

Conditions to avoid: No dangerous reactions known under use of normal conditions. Avoid extreme heat.

10.5. Incompatible materials

Incompatibility: No dangerous reaction known with common products.

10.6. Hazardous decomposition product

Haz. decomp. products: None known.

Section 11: Toxicological information
11.1. Information on toxicological effects

Ingestion: Not determined.

Dermal: Non-irritant (Dermal Irritation Model).

Ocular: Non-irritant (Ocular Irritation Model).

Inhalation: Not determined.

Acute toxicity data: Non-irritant, non-primary sensitizer and non-photo irritant.

Sensitization: Non-primary sensitizer; will not cause allergic contact dermatitis (in chemico skin sensitization direct peptide reactivity assay and in vitro skin sensitization ARE-Nrf2 luciferase test method).

Repeated dose toxicity: No known effects.

Subacute to chronic toxicity: Not determined.

Mutagenicity: Non-mutagenic (OECD471/ISO10993.part 3 – genotoxicity: bacterial reverse mutation test).

Additional toxicological information: This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Carcinogenicity: No known effects.

Mutagenicity: No known effects.

Reproductive toxicity: No known effects.

Neuro-toxicity: No known effects.

For more information:

Does not present any particular risk on handling under normal conditions of good occupational hygiene practice.

This product has not been tested for the following:

Primary cutaneous and corrosive irritation. Acute oral toxicity.

Section 12: Ecological information**12.1. Toxicity****Effects on the aquatic environment:**

EC10 (freshwater alga): 105.92mg/L - Not harmful to aquatic organisms
EC20 (freshwater alga): 211.65mg/L - Not harmful to aquatic organisms

12.2. Persistence and degradability**Persistence and degradability:**

Readily biodegradable (89.45% biodegradation after 28 days of testing).

12.3. Bioaccumulative potential**Bioaccumulative potential:**

Not determined.

12.4. Mobility in soil**Expected behaviour of the product:**

Ultimate destination of the product: Soil and sediment.

12.5. Results of PBT and vPvB assessment**Results:**

Not determined.

12.6. Other adverse effects**Other adverse effects:**

None known.

Section 13: Disposal considerations**13.1. Waste treatment methods****Residues from product:**

Prohibition: Do not allow the product to be released into the Environment.
Destruction/Disposal: Dispose of in accordance with relevant local regulations.

Contaminated packaging:

Decontamination/cleaning: Cleaning is not required prior to disposal.
Destruction/Disposal: Dispose of in accordance with relevant local regulations.

NB:

Take all necessary precautions when disposing of this product according to local regulations.

Section 14: Transport information

UN number or ID number:	None
UN proper shipping name:	None
Transport hazard class(es):	Hazard class: Not classified as dangerous for transport. Land (rail/road): Material is not restrictive for land transport and is not regulated by ADR/RID Sea: Material is not restrictive for sea transport and is not regulated by IMO/IMDG Air: Material is not restrictive for land transport and is not regulated by ICA/IATA Marine Pollutant: No Transport/Additional Information: Not regulated for US DOT Transport in non-bulk containers. This material is not dangerous or hazardous.
Packaging group:	None
Environmental hazards:	None
Special precautions for user:	None known.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable.

Section 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling:	EC regulations: This product does not need to be labelled in accordance with EC Directives or respective national laws.
Further regulations:	<u>United Kingdom</u> Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental Hygiene Guidance: EH40 Workplace Exposure Limits (revised annually) <u>Korea Regulations</u> Industrial safety and hygiene regulation: No Hazardous material control regulation: No Fire prevention regulation: No
Other regulations:	<u>EINECS inventory status</u> Aqua: 231-791-2 Hydrolyzed Corn Protein: N/A (or) 309-349-6 Hydrolyzed Wheat Protein: N/A (or) 305-225-0 Hydrolyzed Soy Protein: 271-770-5 Phenoxyethanol: 204-589-7 <u>TSCA inventory status</u> Exempt <u>AICS inventory status</u> Exempt: 100209-41-4 & 70084-87-6 Listed: 7732-18-5 & 73049-73-7 & 94350-06-8 & 68607-88-5 & 122-99-6 <u>Canadian (CEPA DSL) inventory status</u> Listed as Water (DSL) & Peptones (DSL) (or) Protein Hydrolyzates, Corn (Revised ICL) & Glutens, Enzyme-modified (DSL) (or) Protein Hydrolyzed, Wheat Germ (Revised ICL) & Protein Hydrolyzates, Soya (DSL) & Ethanol, 2-phenoxy- (DSL)

Japan (MITI list)

Water & Hydrolyzed Corn Protein & Hydrolyzed Wheat Protein & Hydrolyzed Soy Protein & Phenoxyethanol

Korea

Water & Hydrolyzed Corn Protein & Hydrolyzed Wheat Protein & Hydrolyzed Soy Protein & Phenoxyethanol

China inventory status

Water & Hydrolyzed Corn Protein & Hydrolyzed Wheat Protein & Hydrolyzed Soy Protein & Phenoxyethanol

Philippines inventory status

Exempt: Hydrolyzed Corn Protein (100209-41-4) & Hydrolyzed Wheat Protein (70084-87-6 (or) 94350-06-8)

Listed as Water & Peptones & Protein hydrolyzates, soya & Ethanol, 2-phenoxy-

15.2. Chemical Safety Assessment

Chemical safety assessment: Not applicable.

Section 16: Other information**16.1. Other information****Other information:**

* Indicates text in the SDS which has changed since the last revision.

Legal disclaimer:

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product.

Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all appropriate local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing.

Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

All health and safety information contained in this document should be provided to your employees or customers.