Hydrolyzed Keratin Liquid

HydroTide® HKP-LK10C / HKP-LK20C / HKP-LK30C

01 Identification

Product identifier: HydroTide® HKP-LK10C / HKP-LK20C / HKP-LK30C

Product name: Hydrolyzed Keratin Liquid

Ingredient identity: Hydrolyzed Keratin and Water

Recommended use: Cosmetic ingredient for hair care and skin care formulations.

Supplier: Shanghai Protide Biotech Co., Ltd.

Address: Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China

Contact: sales@protidebio.com | www.protidebio.com | +86-21-54265599

Emergency contact: Contact local emergency medical services or a poison center for urgent assistance. The supplier telephone is for business inquiries; no 24-hour emergency service is represented.

02 Hazards identification

Item	Status for the listed grades
GHS classification	Not established
Pictogram(s) / signal word	Not established
Hazard / precautionary statements	Not established

Product-specific classification and label elements remain unresolved. This does not mean that the product is non-hazardous.

Handling precautions: Avoid eye and prolonged skin contact. Avoid breathing mist or aerosols. Use appropriate protective equipment; see section 8.

03 Composition / information on ingredients

Ingredient	CAS number	HKP-LK10C	HKP-LK20C	HKP-LK30C
Hydrolyzed Keratin	69430-36-0	5-15%	15-30%	25-35%
Water	7732-18-5	85-95%	70-85%	65-75%

Concentrations are declared ranges, not exact batch measurements. Ranges are not intended to be summed at their upper bounds.

04 First-aid measures

Inhalation: Move to fresh air after exposure to mist. Seek medical attention if symptoms develop or persist. If breathing is difficult, obtain urgent medical assistance.

Skin: Wash thoroughly with water and soap; remove contaminated clothing. Obtain medical advice if irritation or an allergic reaction occurs.

Eyes: Rinse cautiously with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical advice if discomfort persists.

Ingestion: Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice, especially after significant ingestion or if symptoms develop.

Symptoms and treatment: Product-specific acute and delayed effects are not fully established. Treat symptomatically; see section 11.

05 Fire-fighting measures

Suitable extinguishing media: Use water spray, carbon dioxide, dry chemical or foam suitable for the surrounding fire. Avoid a heavy water jet that may splash material.

Specific hazards: Product-specific fire-test data are not verified. Hazardous decomposition products have not been established.

Firefighter protection: Wear self-contained breathing apparatus and full protective clothing.

06 Accidental release measures

Personal precautions: Ventilate the area. Avoid contact and breathing mist. Wear the protection described in section 8.

Environmental precautions: Prevent release into drains, surface water and soil.

Containment and cleanup: Contain the spill. Absorb with inert material and collect in a suitable labelled waste container. Clean residues without uncontrolled release to drains.

07 Handling and storage

Handling: Use adequate ventilation and good industrial hygiene. Avoid eye and prolonged skin contact. Avoid generating aerosols and protect the product from contamination.

Storage: Keep containers tightly closed in a cool, dry place, away from heat and direct sunlight. Protect from contamination and use clean containers.

Incompatible materials: See section 10.

08 Exposure controls / personal protection

Occupational exposure limits: Product-specific limits are not available in the supplied data. Check applicable workplace limits for the destination and process.

Engineering controls: Provide adequate ventilation. Use local exhaust where mist or aerosols may be generated; provide eyewash and washing facilities.

Personal protection: Safety goggles, suitable chemical-resistant gloves and protective work clothing. Use a suitable approved respirator for mist when ventilation is insufficient, selected through a workplace exposure assessment.

Hygiene: Wash hands after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke during handling.

09 Physical and chemical properties

Property	HKP-LK10C	HKP-LK20C	HKP-LK30C
Physical state	Liquid		
Appearance	Light yellow to brown liquid	Yellow to brown liquid	Clear to slightly hazy amber liquid
Odour	Characteristic		
pH	5.0-7.0	4.0-7.0	
Melting / freezing point	Not established		
Boiling point / range	101.6 °C		102 °C
Flammability	Not established		
Flash point	>101 °C		>121 °C
Lower / upper explosion limits	Not established		
Auto-ignition temperature	Not established		
Decomposition temperature	Not established		
Kinematic viscosity	Not established		
Water solubility	Soluble in water; insoluble in oil		Water-soluble
Partition coefficient (n-octanol / water)	Not established		
Vapour pressure	Not established		
Relative density	1.08 (approximately, at 25 °C)		
Relative vapour density	Not established		
Particle characteristics	Not established		

Not established means that product-specific information was not supplied. Reported boiling point, flash point and relative density values, where listed, are declarations without supplied test methods or supporting reports; they do not establish flammability or transport classification. Appearance and pH follow the grade TDS.

10 Stability and reactivity

Reactivity / stability: Available product information reports stability under the recommended storage conditions; no hazardous reaction is reported under normal processing.

Conditions to avoid: Extreme temperatures and direct sunlight.

Incompatible materials: Strong oxidizing agents, acids and bases.

Hazardous decomposition products: Product-specific information is not available.

11 Toxicological information

Product-specific acute toxicity measurements and irritation / sensitization studies are not available. Water-component toxicity figures in the source SDS are not measurements of the finished mixture.

Endpoint data gaps: Verified product-specific information is not available for skin corrosion / irritation, serious eye damage / irritation, respiratory or skin sensitization, mutagenicity, carcinogenicity, reproductive toxicity, specific target organ toxicity (single or repeated exposure) or aspiration hazard. Missing data do not establish absence of hazard.

12 Ecological information

Aquatic toxicity, persistence / degradability, bioaccumulation and soil mobility: Product-specific test data are not available.

PBT / vPvB and other adverse effects: Product-specific assessment is not available. Avoid uncontrolled release into the environment.

13 Disposal considerations

Waste treatment: Collect product, absorbents and cleanup residues for disposal in accordance with applicable local and national requirements. Use an authorized waste contractor where required.

Packaging: Do not reuse contaminated empty containers. Dispose of residues and packaging through appropriate waste channels. Avoid discharge to drains.

14 Transport information

Transport field	ADR / RID	IMDG	IATA
UN number	Not verified	Not verified	Not verified
UN proper shipping name	Not verified	Not verified	Not verified
Transport hazard class(es)	Not verified	Not verified	Not verified
Packing group	Not verified	Not verified	Not verified
Environmental hazards / marine pollutant	Not verified	Not verified	Not verified

Transport classification for this exact formulation has not been verified. This does not establish exemption or a non-dangerous-goods status. Obtain confirmation for the formulation, package, transport mode and route before shipment.

Special precautions: Keep packaging closed and protected against leakage, damage, heat and contamination.

Maritime transport in bulk: Product-specific information is not available.

15 Regulatory information

Destination-specific safety / chemical regulations, chemical inventory status and chemical safety assessment: Not established from the supplied product records. The destination market has not been specified. Unresolved status does not constitute approval or compliance confirmation.

16 Other information

Issue / revision: 04 November 2026 | Rev. 1.0 | English

Prepared by: Shanghai Protide Biotech Co., Ltd.

Revision summary: Three liquid-grade SDSs consolidated. Common instructions combined; grade-specific composition and physical properties retained. Unresolved hazard and transport information unchanged.

Scope and limitations: This safety information applies only to the named liquid grades. Only HKP-LK10C, HKP-LK20C and HKP-LK30C are covered; powder and plant-based alternative grades are excluded. It does not establish compliance with every requirement of a particular destination market, or confirm that every toxicological endpoint has been measured. Users must assess the intended formulation, workplace and destination requirements. Contact Protide for further product information.