Hydrolyzed Fish Collagen

1. Identification

Item	Information
Product name	Hydrolysed Fish Collagen
Synonyms	Fish collagen peptides; hydrolysed marine collagen
CAS No.	9007-34-5
Recommended use	Ingredient for food, beverage, nutrition and personal care formulations.
Supplier	Shanghai Protide Biotech Co., Ltd.
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone	+86-21-54265599
Email	sales@protidebio.com
Website	www.protidebio.com
Emergency contact	Contact the local emergency service or poison centre in an emergency. Supplier telephone: +86-21-54265599 (office hours).

2. Hazard identification

Item	Information
Classification	Not classified as hazardous according to GHS and Regulation (EC) No 1272/2008, based on available information.
Pictograms	None required.
Signal word	None required.
Hazard statements	None required under the stated classification.
Handling precautions	Avoid breathing powder dust. Use adequate ventilation and suitable eye protection; wash hands after handling.
Other hazards	Dust may cause mechanical eye or respiratory irritation. Fish-derived protein dust may cause allergic reactions in sensitised individuals. Avoid inhalation and seek medical advice for wheezing or breathing difficulty.

3. Composition

Item	Information
Substance identity	Hydrolysed collagen peptide powder derived from tilapia fish skin.
CAS No.	9007-34-5
Source	Fish (tilapia skin)
Composition	Fish collagen hydrolysate; supplied composition and technical parameters are described in the product specification.

4. First aid

Item	Information
General advice	Stop exposure and seek medical advice if symptoms persist. Provide the product identity and this SDS to medical personnel.
Inhalation	Move to fresh air. Seek medical advice if respiratory irritation persists, or if wheezing, allergic symptoms or breathing difficulty occurs.
Skin contact	Remove contaminated clothing and wash affected skin thoroughly with soap and water. Seek medical advice if irritation persists. Wash contaminated clothing before reuse.
Eye contact	Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do, then continue rinsing. Obtain medical advice if discomfort persists.
Ingestion	Rinse the mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical advice if the person feels unwell.
Most important symptoms / effects	No data available.
Immediate medical attention	Treat according to symptoms. Seek immediate assistance for breathing difficulty or persistent eye discomfort.

5. Fire-fighting

Item	Information
Suitable extinguishing media	Use water spray, foam, dry chemical powder or carbon dioxide, selected for the surrounding fire.
Unsuitable extinguishing methods	Avoid a direct water jet that disperses powder or spreads burning material.
Special hazards	Fire decomposition may produce carbon oxides and nitrogen oxides. Avoid breathing smoke or combustion fumes.
Protection for firefighters	Wear self-contained breathing apparatus and suitable protective clothing. Keep unnecessary personnel away from the affected area.
Additional measures	Prevent contaminated fire-fighting water from entering drains or waterways where practicable.

6. Accidental release

Item	Information
Personal precautions	Restrict unnecessary access. Avoid dust formation and inhalation; ventilate the area and use the protective equipment described in Section 8.
Environmental precautions	Prevent substantial releases from entering drains, soil or surface water. Collect spilled material for appropriate disposal.
Methods for containment	Carefully collect the dry powder by suitable industrial vacuum or gentle sweeping. Avoid compressed air and other methods that disperse dust.
Cleaning and disposal	Place recovered material in a closed, labelled container. Clean residual material without creating airborne dust; dispose of waste according to Section 13.
Cross references	See Sections 8 and 13 for personal protection and disposal guidance.

7. Handling and storage

Item	Information
Safe handling	Avoid generating airborne dust during opening, weighing and transfer. Use adequate ventilation and keep the working area clean. Close containers when not in use.
Workplace hygiene	Wash hands after handling and before breaks. Do not eat, drink or smoke in the handling area. Keep work clothing separate from food and personal items.
Storage conditions	Store in a dry place, protected from moisture and direct sunlight. Keep original packaging tightly closed.
Incompatible storage	Keep separate from strong oxidising agents.
Shelf life	2 years in unopened original packaging.
Specific end use	Ingredient for food, beverage, nutrition and personal care formulations; follow the applicable workplace handling procedure.

8. Exposure controls

Item	Information
Control parameters	No substance-specific exposure limit is stated in the available SDS information. Apply applicable local limits for inhalable and respirable dust.
Engineering controls	Provide adequate general ventilation. Use local exhaust ventilation at dust-generating operations, including bulk transfer and weighing.
Eye / face protection	Wear safety glasses with side protection or suitable goggles during powder handling.
Hand protection	Wear suitable protective gloves for the task. Select gloves according to contact duration, handling conditions and the glove supplier recommendations.
Skin / body protection	Wear suitable work clothing to limit skin contact. Remove and wash contaminated clothing before reuse.
Respiratory protection	Where ventilation does not adequately control airborne dust, use an appropriate particulate respirator selected under the workplace respiratory protection programme.
Hygiene measures	Wash hands after use. Keep food and drink outside the material handling area.
Environmental exposure controls	Contain releases and avoid discharging bulk material into drains or waterways.

9. Physical and chemical properties

Item	Information
Physical state	Powder
Colour	Off-white
Odour	No data available.
pH	No data available.
Water solubility	Water soluble
Melting / freezing point	No data available.
Boiling point / range	No data available.
Flammability	No data available.
Explosion limits	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Kinematic viscosity	Not applicable to the supplied powder.
Partition coefficient (n-octanol /	No data available.
Vapour pressure	No data available.
Density / relative density	No data available.
Relative vapour density	No data available.
Particle characteristics	Published product specification: particle fraction below 0.35 mm, 95%.
Explosive properties	No data available.
Oxidising properties	No data available.

10. Stability and reactivity

Item	Information
Reactivity	No data available.
Chemical stability	Stable under the recommended storage and handling conditions.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Excessive heat, moisture and unnecessary dust generation.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	Fire decomposition may release carbon oxides and nitrogen oxides.

11. Toxicological information

Item	Information
Acute toxicity	No data available.
Skin corrosion / irritation	No data available.
Serious eye damage / irritation	Powder dust may cause mechanical eye irritation.
Respiratory or skin sensitisation	Fish-derived protein dust may cause allergic reactions in sensitised individuals. Avoid dust inhalation.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	No data available.
STOT - single exposure	No data available.
STOT - repeated exposure	No data available.
Aspiration hazard	No data available.
Likely exposure routes	Dust inhalation, eye or skin contact, and accidental ingestion during material handling.
Classification summary	Not classified as hazardous according to GHS and Regulation (EC) No 1272/2008, based on available information.

12. Ecological information

Item	Information
Toxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
PBT / vPvB assessment	No data available.
Endocrine-disrupting properties	No data available.
Other adverse effects	No data available.
Release precautions	Avoid discharge of bulk material into drains, soil or surface water.

13. Disposal

Item	Information
Product waste	Collect residues in a suitable labelled container. Dispose of through an appropriate waste contractor in accordance with applicable local requirements. Avoid disposal to drains or waterways.
Contaminated packaging	Empty packaging completely. Handle packaging containing residues as product waste; recycle or dispose of emptied packaging in accordance with local requirements.
Waste classification	Assign a waste code according to the actual use, contamination and local waste rules.

14. Transport information

Item	Information
Transport status	Not regulated as dangerous goods for ADR/RID, IMDG and IATA transport.
UN number or ID number	Not applicable.
UN proper shipping name	Not applicable.
Transport hazard class	Not applicable.
Packing group	Not applicable.
Marine pollutant status	Not classified as a marine pollutant in the available transport information.
Special precautions	Keep packages closed and dry. Protect bags against damage, moisture and heat during loading, storage and transit.
Maritime transport in bulk	Not applicable to the packaged product.

15. Regulatory information

Item	Information
Chemical identity	Hydrolysed collagen; CAS 9007-34-5.
GHS / EU CLP status	Not classified as hazardous according to GHS and Regulation (EC) No 1272/2008, based on available information.

16. Other information

Item	Information
Revision	2026.2
Revision date	2026-10-10
Revision details	Updated supplier and contact details for PROTIDE; safety information unchanged.
Abbreviations	GHS: Globally Harmonized System; CLP: Classification, Labelling and Packaging; ADR/RID: road/rail transport; IMDG: maritime transport; IATA: air transport; STOT: specific target organ toxicity; COA: Certificate of Analysis.
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