

***SAFETY DATA
SHEET (SDS)***
*Peptan Marine, F,
P, B, BB all grades*

This product is an edible food grade material and is not classified as dangerous under REACH and GHS Regulation and as such, this product does not require a SDS. This SDS has been created on a voluntary basis and is for informational and guidance purposes only.

This voluntary set-up SDS is based on R 1907/2006/EC (and further amendments) & ANSI Z 400.1-2004

Any printout of this document is not controlled

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Rousselot
Health & Nutrition

DARLING
INGREDIENTS

1 IDENTIFICATION

1.1 Product identifier:

ROUSSELOT® **PEPTAN® Marine, F, P, B, BB all grades**

1.1.1 Substances

Substance name:	Hydrolyzed Collagen
CAS No.:	68410-45-7
EINECS No.:	270-082-2
REACH Registration No.:	N/A

1.1.2 Other means of identification

Collagen hydrolyzates

1.2 Intended use of the product

Used in cosmetics, pharmaceuticals and as a nutritional fortifier in food and beverage health foods.

1.3 Details of the supplier

Supplier: Rousselot NV	Tel.: +31 (0)499 364 100
Kanaaldijk Noord 20-21	
5691 NM SON	
The Netherlands	

1.4 Emergency telephone number

PLEASE CONTACT ONE OF OUR SALES OFFICES:

For South America and Central America	+54 11 44898109
For Brazil	+55 19 39079000
For North America	+1 888 4553556
For France, Southern Europe, Middle East, Africa	+33 545 642 222
For Northern, Central and Eastern Europe, UK, Ireland	+329 2551860
For China	+86 21 64277337
For South-East Asia, New-Zealand, Australia	+6 6201 8282
For Japan	+81(03) 5643 7701

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This product is a stable, edible food grade product, made from animal hides, bones, skins (bovine, pig or fish). This product is not classified as a hazardous material under any part of the GHS system.

2.2 Label elements

None required.

2.3 Other hazards

This compound is not hazardous and is derived from animal sources.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	Product Identifier	%	GHS Classification
Hydrolyzed Collagen	(CAS No.) 68410-45-7	100	Not Applicable

3.1.

For additional information on animal derived components, contact one of our sales offices for a Product Information Sheet.

4 FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 First aid measures general

Product is edible and does not pose a serious risk to health.

4.1.2 First aid measures after inhalation

If inhalation of dusts occur causing coughing or discomfort, go to a fresh air environment until dust settles and throat clears. A dust mask respirator may be used voluntarily to further reduce this risk.

4.1.3 First aid measures after skin contact

If contact occurs, wash the exposed area with water and dry skin completely before returning to work. Gloves and or long sleeve clothing can be used to minimize this risk.

4.1.4 First aid measures after eye contact

If eye irritation occurs, wash your eyes out with clean water for 15 minutes or until discomfort discontinues. If irritation persists, contact emergency personnel as required. Use of wrap around safety glasses or goggles can minimize this risk.

4.1.5 First aid measures after ingestion

Drink 1-2 glasses of water. Get medical attention if symptoms occur. Even if fish collagen has never demonstrated any allergenic effect, fish is listed in the EU food allergen list of the Reg 1169/2011.

4.1.6 Self-protection of the first aider

No special protective factors are required for first aid response.

4.2 Most important symptoms and effect, both acute and delayed

Symptoms: Reddening of skin or eyes

Effects: Discomfort or irritation

4.3 Identification of any immediate medical attention and special treatment needed

None required

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray, carbon dioxide (CO₂); dry chemical. Wear self-contained breathing apparatus. Do not store compound near products / packaging that are incompatible with stated extinguishing media

Unsuitable extinguishing media: Extinguishing media used should be either that stated in section 5.1 or one suitable for where the user is storing the compound.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Substance does not create fire hazard when used as provided

Explosion hazard: Substance does not create explosion hazard when used as provided

Reactivity: Substance is not known to be incompatible with compounds where a hazard may be created

Hazardous combustion products:

5.3 Advice for firefighters: During a fire, carbon monoxide and dioxide as well as nitrogen oxides may be generated

5.4 Additional information: N/A

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use of product does not require any additional personal protective equipment when used as provided

6.1.1 For non-emergency personnel

Protective equipment: Voluntary use of safety glasses, dermal coverings and breathing apparatus is recommended in large spills or as needed based on spill event

Emergency procedures: N/A

6.1.2 For emergency responders

Protective equipment: Voluntary use of safety glasses, dermal coverings and breathing apparatus is recommended in large spills or as needed based on spill event

Emergency procedures: N/A

6.2 Environmental precautions

No special environmental precautions required

6.3 Methods and material for containment and cleaning up

Spilled materials can be swept up and disposed of as general bio-degradable waste.

6.3.1 For containment: N/A

6.3.2 For cleaning up: Avoid dust generation during clean-up operations

6.3.3 Other information: When water is used to control dusts during clean up, the area must be completely cleaned down and all material removed as Peptan and water (when left on the floor) creates a slippery surface.

6.4 Reference to other sections: N/A

6.5 Additional information: N/A

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Advice on safe handling: Prolonged breathing of compound should be avoided.

Fire preventions: Powdered material may form explosive dust-air mixtures. Minimize dust generation and accumulation. Use with adequate ventilation.

Aerosol and dust generating preventions: Proper ventilation should be used when handling.

Environmental precautions: Product is bio-degradable and poses no increased environmental risks.

7.1.2 Advice on general occupational hygiene

Voluntary use of safety glasses, dermal coverings and a dust mask will reduce the risk of irritation.

7.2 Conditions for safe storage, including incompatibilities

Store in closed containers, away from heat sources and protected from extremes of temperature, light and humidity. Store separately from any flavour or chemical products

Technical measures and storage conditions: Keep material in a sealed container and store away from heat and moisture

Packaging materials: Product should be stored in original sealed container or in a nonreactive suitable alternative container

Incompatible products / materials: No incompatibilities known

7.3 Specific end uses

Not Applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits: Not established. It is recommended to use the limit of dust as a reference value: 10 mg/m³ (TWA – 8 hours)

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Proper ventilation should be used when working with this compound.

8.2.2 Personal protective equipment

Eye / face protection: Voluntary use of wrap around safety glasses or goggles may be worn to reduce risk of ocular exposures.

Skin protection: Voluntary use of gloves or long sleeve uniforms can be worn to reduce risk of dermal exposure.

Respiratory protection: Voluntary use of a dust mask can be used to reduce the risk of inhalation.

Thermal hazard protection: Not required

8.2.3 Environmental exposure controls

Compound does not create an environmental hazard.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Powder
Appearance:	Dry granular compound
Colour:	White to pale amber
Odour:	None
Odour threshold:	Unknown
pH:	5.0 – 6.5 (in water)
Relative evaporation rate:	Unknown
Melting point:	Unknown
Freezing point:	Unknown
Boiling point:	Decomposition before ebullition
Flash point:	N/A
Auto-ignition temperature:	Unknown
Decomposition temperature:	approx. 100°C
Flammability (solid, gas):	Not Flammable under normal conditions
Vapour pressure:	Unknown
Relative vapour density (at 20°C):	Unknown
Relative density:	0.25 – 0.60 g/cm ³
Density:	Unknown
Solubility:	Cold soluble in water

Viscosity, cinematic:	Unknown
Viscosity, dynamic:	Below 10 mPa.s (25°C- 20% in water)
Explosive properties:	Peptan delivered by Rousselot can be classified between low explosive (dust explosion class St1) for finest mesh and non-explosive for the largest mesh.
Explosive limits:	Unknown
Oxidising properties:	Unknown
9.2 Other information:	N/A

10. STABILITY AND REACTIVITY

10.1 Reactivity: Not known to be chemically reactive with other substances causing a hazardous reaction.

10.2 Chemical stability: Chemical is stable. Fine powder material may form explosive dust-air mixtures.

10.3 Possibility of hazardous reactions: Unknown

10.4 Conditions to avoid: Unknown

10.5 Incompatible materials: Not known to be incompatible with other substances creating a hazardous reaction.

10.6 Hazardous decomposition products: Carbon dioxide, carbon monoxide, oxides of nitrogen. Powdered material may form explosive dust-air mixtures.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Food grade product and as such not a toxic material.
Skin corrosion / irritation:	May cause mild skin irritation
Eye damage / irritation:	Eye exposure may cause mild irritation
Respiratory or skin sensitisation:	Compound is not classified as a sensitizer
Germ cell mutagenicity:	N/A
Carcinogenicity:	Not listed as a carcinogen by ACGIH, IARC, NTP or California prop 65
Reproductive toxicity:	Not classified as a teratogen or reproductive toxin
Specific target organ toxicity (single exposure):	N/A
Specific target organ toxicity (repeated exposure):	N/A
Aspiration hazard:	N/A
Symptoms / injuries after inhalation:	Irritation
Symptoms / injuries after eye contact:	Irritation
Symptoms / injuries after ingestion:	None

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Food grade product and as such not classified as toxic and is completely biodegradable

12.2 Persistence and degradability: N/A

12.3 Bioaccumulative potential: N/A

12.4 Mobility in soil: N/A

12.5 Other adverse effects: N/A

12.6 Other information: N/A

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods: N/A

13.2 Waste disposal recommendations: Wastes can be treated as bio-degradable, however local and regional waste management standards should be checked for applicability.

13.3 Additional information: N/A

14. TRANSPORT INFORMATION

UN Number:	N/A
UN proper shipping name:	Hydrolyzed Collagen
(Transport) Hazard class(es):	Not regulated as a hazardous material
Hazard labels:	None required
Packing group:	Not regulated as a hazardous material
Environmental hazards:	None

Special precautions for user:	If a spill occurs during transport that creates large dust clouds, area should be ventilated and response personnel should wear proper dermal and respirator protection during spill response
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Road transport:	Not regulated as a hazardous material
Sea transport:	Not regulated as a hazardous material
Air transport:	Not regulated as a hazardous material
Rail transport:	Not regulated as a hazardous material

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture:

The regulation (EC) 1907/2006 of December 18, 2006 concerning the Registration, Evaluation Authorization and Restriction of Chemicals (REACH) does not apply to Gelatin / Collagen and their hydrolysates as they are natural polymers and/or chemically modified natural polymers. The aminoacids are regarded as non-isolated intermediates and therefore do not have to be registered. The exemption of the registration of Gelatin / Collagen, their hydrolysates and their monomers is confirmed by ECHA and the German REACH helpdesk

15.2 Chemical Safety Assessment:

Compound is a stable, edible food grade product made from animal hides, bones, and skin. The compound is not classified as a hazardous chemical / substance and does not adversely affect the environment or human health as defined in the GHS.

16. OTHER INFORMATION

- 16.1 Identification of changes: N/A
16.2 Training advice: None
16.3 Further information: None

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