

# SAFETY DATA SHEET (SDS)

**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*

## 1. IDENTIFICATION

### 1.1 Product identifier

**ROUSSELOT® PS\_LP\_P all grades**

#### 1.1.1 Substances

<b>Substance name:</b>	Pig Skin Derived Gelatin
<b>CAS No.:</b>	9000-70-8
<b>EINECS No.:</b>	232-554-6
<b>REACH Registration No.:</b>	N/A

#### 1.1.2 Other means of identification

Pig Gel, Pork Hide Gel, Animal Gel, Gelatin

### 1.2 Intended use of the product

Product is a food grade ingredient used in pharmaceuticals, manufacturing, confectionaries, cosmetics and technical applications.

### 1.3 Details of the supplier

<b>Supplier:</b>	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 44 89 81 09
For Brazil	+55 (19) 3907 9000
For North America	+1 (888) 455 3556
For France, Southern Europe, Middle East, Africa	+33(0) 545 642 222
For Northern, Central and Eastern Europe, UK, Ireland	+32(0)9 255 18 60
For China	+86 21 6427 7337
For South-East Asia, New-Zealand, Australia	+6(03) 6201 8282
For Japan	+81(03 5643 7701

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## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

This product is an organic, stable, edible food grade product, made from animal by-products. 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
Pig Skin Derived Gelatin	(CAS No.) 9000-70-8	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 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

Compound may cause dryness with excessive dust exposures on open skin. 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 dust begins to irritate the eyes, 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

Dust exposure should not cause gastrointestinal discomfort. If nausea does occur when working with this compound, do not induce vomiting and contact your local medical professional and provide them with this SDS.

#### 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 (CO<sub>2</sub>); 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 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 Gelatin 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 dusts 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 cool dry location

Packaging materials: Product should be stored in original container or in a nonreactive suitable 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/m<sup>3</sup> (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**: Amber

**Odour**: None

**Odour threshold**: Unknown

**pH**: 4.5 – 7.5

**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:** 0.5 – 0.8 g/cm<sup>3</sup>

**Density:** Unknown

**Solubility:** Unknown

**Viscosity, cinematic:** Unknown

**Viscosity, dynamic:** Below 10 mPa.s (60°C- 6.67% in water)

**Explosive properties:** The gelatins delivered by Rousselot are 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

Not Applicable

## 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.

**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

### 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.

**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 organic biodegradable, 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:** Pig Skin Derived Gelatin

**(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

**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:** N/A

**15.2 Chemical Safety Assessment:** Compound is an organic, stable, edible food grade product made from animal by-products. 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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**Rousselot N.V.**  
Kanaaldijk 20-21  
NL-5691 NM Son

T +31 (0)499 364 100  
F +31 (0)499 364 972  
**rousselot.com**