

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

### 01 Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- Trade name:  
Sojaprotein
- Article number:  
6507
- Definition:  
Hydrolyzed soy proteins (amino-peptidic complex) obtained from Soybean embryonic tissues by enzymatic techniques and molecular selection.
- INCI (PCPC):  
Hydrolyzed Soy Protein

- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Uses of the substance/mixture:  
Ingredient (raw material) for cosmetic use.  
For additional information on the fields of use of this product, please contact us.

#### 1.3 Details of the supplier of the safety data sheet

- \* Manufacturer/Supplier:  
Naturkosmetikkompaniet AB
- \* Ullevi Enestorp 3
- \* 59491 Gamleby
- \* Sverige
  
- \* Tel: 0493-53999
- \* Fax: 0493-12630
  
- Further information obtainable from:  
info@naturkosmetikkompaniet.se
  
- 1.4 Emergency telephone number:  
SWEDEN: 112

### 02 Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008  
Void
  
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008  
Void
- Signal word  
Void
- Hazard statements  
Void

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- **GHS label elements** Void
- **US NFPA 704 (National Fire Protection Association) Hazard Rating System**
- Health hazard:  
Rating 0: Normal material.
- Flammability:  
Rating 0: Will no burn.
- Reactivity: Rating 0: Stable.
- Other hazard information: None.
- **2.3 Other hazards**
- Results of PBT and vPvB assessment
- PBT:  
Not applicable.
- vPvB:  
Not applicable.

**03 Composition/information on ingredients**

- **3.2 Chemical characterization:**
- Description:
- Dangerous components:  
Mixture: consisting of the following components. This section describes all components of the mixture. When no classification is mentioned below the identification of the substance, the substance shall be considered →not classified→ according to Regulation EC 1272/2008.

CAS Number		%
68607-88-5	<i>Protein hydrolyzates, soya</i> <i>EC number: 271-770-5</i> <i>Record number EXEMPTED (&lt;1T)</i>	75.0<A1<100
122-99-6	<i>Phenoxyethanol</i> <i>EC number: 204-589-7</i> <i>Record number 01-2119488943-21-XXXX</i> ⚠ <i>Acute Tox. 4 - H302, Eye Irrit. 2 - H319</i>	1.0<E<5.0
110-44-1	<i>Sorbic acid</i> <i>EC number: 203-768-7</i> <i>Record number 01-2119950330-49-XXXX</i> ⚠ <i>Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3 - H335</i>	0.1<F<1.0

**04 First aid measures**

- 4.1 Description of first aid measures -
- **General information:**  
No special measures required.
- **After inhalation:**  
Supply fresh air ; consult doctor in case of complaint.
- **After skin contact:**  
Wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- **After eye contact:**

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Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**  
Seek immediate medical advice.
- **Information for doctor:**  
No further relevant information available.
- 4.2 Most important symptoms and effects, both acute and delayed  
No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

**05 Firefighting measures**

- **5.1 Extinguishing media**
- **5.1 Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**  
No special measures required.
- Protective equipment:  
No special measures required.

**06 Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Pick up mechanically.  
Ensure adequate ventilation.

**07 Handling and storage**

- **Handling:**
- 7.1 Precautions for safe handling  
No special measures required.
- Information about fire - and explosion protection:  
Keep ignition sources away - Do not smoke.  
No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities  
No special requirements.
- **Storage:**
- Requirements to be met by storerooms and receptacles:  
No special requirements.
- Information about storage in one common storage facility:  
Not required.
- **7.3 Specific end use(s)**

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No further relevant information available.

### 08 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information:  
The lists valid during the making were used as basis.
- **Personal protective equipment:**
- General protective and hygienic measures:  
The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not necessary if room is well-ventilated.
- Protection of hands: Protective gloves
- Material of gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Eye protection: Safety glasses
- Body protection: Protective work clothing

### 09 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance :</b>	
<b>Form:</b>	Fluid
<b>Melting point/Melting range:</b>	Undetermined
<b>Boiling point/Boiling range:</b>	> 100,0 °C
<b>Flash point:</b>	Not applicable. Extrait Aqueux / Aqueous extract.
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature (auto-ignition):</b>	Not applicable. Extrait Aqueux / Aqueous extract.
<b>Danger of explosion:</b>	Product does not present an explosion hazard. Extrait Aqueux / Aqueous extract.
<b>Solubility in / Miscibility with water:</b>	
	Soluble.
<b>pH-value:</b>	5.0 - 6.0

### 10 Stability and reactivity

- 10.1 Reactivity  
Stable.
- 10.2 Chemical stability  
Stable.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions  
No dangerous reactions known.
- 10.4 Conditions to avoid  
No further relevant information available.
- **10.5 Incompatible materials:**  
No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide

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### 11 Toxicological information

#### 11.1 Summary :

A summary of the evaluation is presented here after.

- **Acute toxicity:**

- LD/LC50 values relevant for classification:

**122-99-6**

**Phenoxyethanol**

Oral, LD50: 1260 mg/kg (rat)

Dermal, LD50: 10300 - 15400 mg/kg (rat)

- Primary irritant effect:

- on the skin:

No irritant effect.

Not classified (Regulation CLP (EC) No 1272/2008).

- on the eye:

No irritating effect.

Not classified (Regulation CLP (EC) No 1272/2008).

- Sensitization:

No sensitizing effects known.

Not classified (Regulation CLP (EC) No 1272/2008).

- **Subacute to chronic toxicity:**

Not classified (Regulation CLP (EC) No 1272/2008).

- **Additional toxicological information:**

The 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.

#### Toxicological information about product :

The toxicity assessment of our product is based on a read-across approach (structurally related substances). Health effects of our product are predicted from data on similar substances.

Only the studies important for the product classification are listed here after. Contact us for the complete list of studies.

- Cutaneous irritation :

- Species : Human being.

- Concentration : Pure

- Result : Non irritant.

- Reference : NKK data

- Product tested : SOJAPROTEIN

- Ocular irritation:

- Species : Human being.

- Concentration : Pure

- Result : Non irritant.

- Reference : NKK data

- Product tested : SOJAPROTEIN

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- Cutaneous irritation (Patch test) :
  - Species :  
Human being.
  - Concentration :  
Pure
  - Result :  
Non irritant.
  - Reference : NKK data
  - Product tested : SOJAPROTEIN

**12 Ecological information****12.1 Summary :**

A summary of the evaluation is presented here after.

- Aquatic toxicity:

**122-99-6****Phenoxyethanol**

fish, LC50 : (96H) 220 - 460 mg/l  
 alga, EC50 : (72H) > 500 mg/l  
 daphnia, EC50 : (48H) > 500 mg/l  
 fish, NOEC : (96H) 100 mg/l  
 /, Biodegradabilit : (20DAYS) 75 %  
 /, log P oct/wat : 1.13 MEASURED /

**110-44-1****Sorbic acid**

fish, LC50 : (48H) 1000-1500 mg/l  
 daphnia, EC50 : (48H) 353 mg/l  
 /, Biodegradabilit : (6DAYS) 95 %  
 /, log P oct/wat : 1.33 CALCULATED /

- **12.2 Persistence and degradability**

Extrait aqueux / Aqueous extract.  
 Easily biodegradable  
 Not classified (Regulation CLP (EC) No 1272/2008).

- **Behaviour in environmental systems:**

- 12.3 Bioaccumulative potential

Extrait aqueux / Aqueous extract.  
 A worth-mentioning accumulation in organisms is not expected. Not classified  
 (Regulation CLP (EC) No 1272/2008).

- 12.4 Mobility in soil

No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

Not classified PBT and vPvB (Annex VI Regulation (EC) No 1272/2008).

**Indications about product :**

No ecotoxicity study has been done on the product.

The ecotoxicity assessment of our product is based on a read-across approach (structurally related substances). Environment effect and environmental fate of our product are predicted from data on similar substances.

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### 13 Disposal considerations

- **13.1 Waste treatment methods**
- Recommendation  
Must be disposed of an incinerator.
- Recommendation about packaging :  
Disposal must be made according to official regulations.  
Packaging may be reused or recycled after cleaning.

### 14 TRANSPORT INFORMATON

- **Land transport ADR/RID (cross-border)**  
Not regulated.
- **Inland shipping ADN:**  
Not regulated.
- **Maritime transport IMDG:**  
Not regulated.
- **Air transport ICAO-TI and IATA-DGR:**  
Not regulated.
- **Environmental hazards:**  
Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
Not applicable.

### 15 REGULATORY INFORMATION

- **Labelling according to EU guidelines:**  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV) .
- **National regulations:**
- Additional classification according to Decree on Hazardous Materials, Annex II:  
Not classified.
- Classification according to VbF:  
Not classified.
- Classification WGK (Water hazard classes - Wassergefährdungsklassen):  
Wassergefährdungsklasse (WGK) : Not classified (nicht wassergefährdend).
- Classification HMIS (Hazardous Materials Identification System)
  - Health:  
Cat 0 : no significant risk to health.
  - Flammability:  
Cat 0: Materials that will not burn.
  - Reactivity (HMIS® I and II - now obsolete)  
Please consult NFPA classification.
  - Physical Hazard (HMIS® III):

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Cat 0: Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives.

- Personal Protection:

Cat C: Safety glasses + Gloves + Protective apron.

• **International rules :**

- USA :

Conforms to US TSCA (Toxic Substance Control Act). Substances that are regulated under other federal regulations (ie food additives, drug, cosmetics etc) are not subject to TSCA.

### 16 Other information

Regulatory requirements relative to the distribution of this MSDS : In accordance with the regulatory requirements, all information in the MSDS must be transmitted by the MSDS recipient to the health authorities, to any party receiving the products and to any other person likely to be exposed to the products.

Asterisks (\*) on life show modifications with regard to last chemical safety data sheet.

• **Relevant phrases**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

• **Department issuing MSDS:**

• **Liability clause :**

The information contained in this data sheet is based on our knowledge of the related product on the date indicated, but does not amount to a guarantee in respect of the product's properties and does not give rise to any contractual legal tie. This information is given in utmost good faith. It cannot substitute for indispensable preliminary tests that must be conducted to ensure product suitability for each intended use. The user's attention is also drawn to the possible risks incurred if a product is used for a purpose other than its designed purpose. This data sheet does not under any circumstance replace knowledge and application by the user of all laws and regulations relevant to his own operations. The user shall be solely liable for the precautions taken relevant to the use made of the products. The list of related laws and regulations is given simply to help the user to fulfil the obligations incumbent upon him for use of the product. This must not be considered an exhaustive list and does not exempt the user from ensuring that he may possibly come under other obligations pursuant to laws or regulation other than those indicated relating to the possession and manipulation of the product for which he shall be solely liable.

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
 ICAO: International Civil Aviation Organisation  
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)

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VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

## **TECHNICAL DATA SHEET**

### **Sojaprotein**

#### **DEFINITION**

Hydrolyzed soy proteins (amino-peptidic complex) obtained from Soybean embryonic tissues by enzymatic techniques and molecular selection.

#### **ORIGIN OF THE RAW MATERIALS**

The product is manufactured from raw materials of strictly vegetable origin (except incidental ingredients).

#### **DESCRIPTION**

- INCI (PCPC) suggested: Hydrolyzed Soy Protein
- CAS: 68607-88-5
- EINECS: 271-770-5

#### **REGULATORY INFORMATION**

For information on the regulatory status of this product, please consult the regulatory data sheet (RDS).

#### **FIELD OF USE**

This product is a cosmetic ingredient. It is recommended for use in cosmetic formulations (excluding oral hygiene products).

This ingredient must be used according to appropriate regulations. Gattefossé accepts no responsibility for the use of this product in applications other than those recommended.

#### **USES**

- Nourishing, rejuvenating active which increases oxygen consumption of cutaneous cells.
- Use level: 0.5 % to 10 %.
- For anti-age, revitalizing, treatment hair care lines.
- May be used in emulsions, hair-care products, hydro-alcoholic toners (up to 20 % alcohol).
- Must be incorporated at a temperature < 35°C.

#### **STORAGE RECOMMENDATIONS**

Store the product in its original packaging sealed tightly, protected from light and moisture.

Store at a temperature of 10 °C (+/- 5).

An opalescence/cloudy aspect/precipitate may occur during storage with no effect on the properties of the product. It disappears after shaking.

Product should be re-analyzed after a 3-year storage period under recommended storage conditions.

## **TECHNICAL DATA SHEET**

### **Sojaprotein**

#### **HANDLING ADVICE**

#### **HANDLING ADVICE**

Presentation: liquid.

A small deposit is possible. Shake before use.

#### **PACKAGING**

Plastic can 5 kg (BPE).

#### **INFO ON THE COMPOSITION**

- Peptides
- Amino acids
- Mineral salts
- Preservative: Phenoxyethanol 1.0 %.
- Preservative: Sorbic acid 0.12 %.

#### **SAFETY OF USE**

For information on the toxicology and safety of this product, please consult the product toxicological file and material safety data sheet (MSDS).

#### **SOLUBILITIES AT 20°C(Eur. Ph.)**

- Water: Soluble
- Oils: Insoluble

## **TECHNICAL DATA SHEET**

### **Sojaprotein**

<b>Test</b>	<b>Specification</b>
<b>ASPECT</b>	Clear brown liquid
<b>ODEUR</b>	Specific
<b>pH (Pure product)</b>	5.0 to 6.0
<b>DRY MATTERS</b>	1.0 to 2.0 %
<b>TOTAL NITROGEN CONTENT</b>	0.12 to 0.25 %
<b>TOTAL AEROBIC GERMS</b>	< 100/g
<b>PATHOGENIC GERMS</b>	Absence

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