

**SAFETY DATA SHEET**

In accordance with Commission Regulation (EU) No. 453/2010  
Version n° 002 – March 2016

**Section 1- IDENTIFICATION**

*Product name:* **NATURA-TEC AMINOSENS SILK PE**

*REACH Registration .:* Exempted

*Uses :* Cosmetic applications

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**Section 2 - HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****2.1.1 Classification according to Regulation (EC) No 1272/2008**

Not classified.

**2.1.2. Classification according to Directive 67/548/EEC**

Not classified.

**2.2 Label elements**

Substance not classified: label not required according to Regulation (EC) No 1272/2008.

**2.3. Other hazards**

No hazards should be specifically mentioned. The product, under the intended conditions of use, poses no risk to users. However, the repeated and prolonged contact, especially if accompanied by poor personal hygiene, can cause skin redness, irritation and contact dermatitis.

**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

<i>Description/Chemical name</i>	Protein hydrolysates, Silk
<i>INCI EU:</i>	Aqua + Propylene Glycol + Hydrolyzed Silk
<i>INCI US:</i>	Water + Propylene Glycol + Hydrolyzed Silk
<i>CAS:</i>	7732-18-5, 57-55-6, 96690-41-4
<i>EINECS:</i>	231-791-2, 200-338-0, 306-235-8
<i>Contains:</i>	
<i>Substance</i>	Propylene Glycol
<i>Concentration, %</i>	25 – 50
<i>CAS:</i>	57-55-6
<i>EINECS:</i>	200-338-0
<i>Reach reg Number :</i>	01-2119456809-23, not classified



#### Section 4 - FIRST AID MEASURES

<i>Eye contact</i>	Flush eyes with plenty of water. Seek medical attention if any irritation persists.
<i>Skin contact</i>	Wash with plenty of soap and water.
<i>Ingestion</i>	Not considered dangerous. In high dosage, seek medical attention.

#### Section 5 - FIRE FIGHTING MEASURES

<i>Suitable extinguishing media:</i>	Water, dry powder, CO2, foam, sand.
<i>Special risks:</i>	None identified.
<i>Special precautions for fire fighting:</i>	Use self-contained breathing apparatus in conditions of thick smoke. Cool containers at risk with water spray jet.

#### Section 6 - ACCIDENTAL RELEASE MEASURES

<i>Individual precautions:</i>	Wear protective clothing.
<i>Environmental precautions:</i>	Do not discharge into drains, surface water, ground water. Recuperate the spilled product. Wash with water and detergent. Recuperate all material in a suitable labelled container for disposal.

#### Section 7 - HANDLING AND STORAGE

<i>Handling:</i>	Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.
<i>Storage:</i>	This material is not hazardous under normal storage conditions; however, material should be stored in a cool dry place in unopened containers. Do not expose containers to source of heat.

#### Section 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

<i>Skin protection:</i>	Minimize skin contamination by following good industrial hygiene practice. Wearing protective gloves is recommended. Wash thoroughly after handling.
<i>Eye protection:</i>	Use good industrial practice to avoid eye contact.

#### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance</i>	Liquid
<i>Color</i>	Amber
<i>Odor</i>	Characteristic
<i>pH (in sol 3%)</i>	4,5 – 6,5
<i>Solubility</i>	Soluble in water
<i>Flash point, °C</i>	> 100°C
<i>Specific gravity, Kg/l</i>	1.045 – 1.065
<i>Other information</i>	
<i>Dry residus</i>	4.90%



VOC (Directive 1999/13/CE)	47.14%
VOC (Carbon volatile)	22,12%

## Section 10 - STABILITY AND REACTIVITY

<i>Conditions to avoid</i>	Avoid high temperatures, exposure to light and moisture. Propylene glycol: is hygroscopic, stable at normal conditions, at high temperatures, it tends to oxidize yielding propionaldehyde as well as lactic and acetic acid
<i>Materials to avoid</i>	Strong oxidizing agents, zinc, acid, base
<i>Hazardous decomposition products</i>	On combustion, toxic vapors such as carbon monoxide may be produced

## Section 11 - TOXICOLOGICAL INFORMATION

From information available, this substance is non toxic under normal conditions and is not classified in EEC listing.

<i>Acute oral toxicity</i>	LD50 (rat) > 5000 mg/kg (Information given is based on data on the component and the toxicology of similar products – ref 1) Propylene Glycol LD50 (Oral – rat) : 22000 mg/kg LD50 (Dermal – Rat) : >2000 mg/kg
<i>Skin irritation</i>	Not irritant
<i>Eye irritation</i>	Slightly irritant

## Section 12 - ECOLOGICAL INFORMATION

Use in accordance with good manufacturing processes

### **Propylene Glycol**

<i>Biodegradability</i>	Easily biodegradable
<i>Fish toxicity</i>	LC50 (fish- <i>Onchorhynchus mykiss</i> ) : 40163 mg/l/96h EC50 (shellfish – <i>Ceriodaphnia dubia</i> ) : 18340 mg/l/48h
<i>Bacterial toxicity</i>	EC50 (algae – <i>skeletonema costatum</i> ) : 19000 mg/l/48h

## Section 13 - DISPOSAL CONSIDERATIONS

<i>Product</i>	The disposal should be in accordance with all applicable regulations. Do not discharge into drains, surface and ground water. Do not reject waters of wash in the natural environment or the sewers.
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## Section 14 - TRANSPORT INFORMATION

ADR	Not classified.
IMDG	Not classified
IATA	Not classified



## Section 15 - REGULATORY INFORMATION

Classification and labelling according to EC 1272/2008

No classification

Pictogram none

H phrase (Hazard) none

P phrase (Precautionary) none

## Section 16 - OTHER INFORMATION

No classification or hazards labelling under regulation 67/548/EEC

Bibliographic data:

1. Directive 1999/45/EC as amended
2. Directive 67/548/EEC and subsequent amendments (Technical adjustment XXIX)
3. Regulation (EC) 1272/2008 of the European Parliament (CLP)
4. Regulation (EC) 1907/2006 of the European Parliament (REACH)
5. The Merck Index.Ed.10
6. Handling Chemical Safety
7. NIOSH - Registry of Toxic Chemical Substances of Effetcs
8. INRS - Fiche Toxicologique
9. Patty – Industrial hygiene and Toxicology
10. N.I. Sax – Dangerous properties of Industrial Materials-7 Ed, 1989

*Creation date* : February 2014; Version n° 001

*Revision date* : March 2016; Version n°002 – Modification trade name

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This document completes the product technical data sheet but does not replace it. The information contained in this notice is based on current knowledge and relates to the product in the state in which it is delivered. It is intended to describe the product from the point of view of safety requirements and does not guarantee any particular property or use.

The user takes full responsibility for the use of the product and it is his further responsibility to ensure that the product is employed in complete conformity with all relevant regulations.