

## PRODUCT SAFETY SHEET

The product doesn't meet the criteria for classification as hazardous in accordance with Regulation (EC) No 1272/2008, is not persistent, bio accumulative and toxic (PBT) or very persistent and very bio accumulative (vPvB) as defined in Annex XIII of Regulation (EC) No 1907/2006 (REACH) and is not included in the ECHA candidate list of substances of very high concern. Provision of a Safety Data Sheet (SDS) is thus not mandatory (REACH Art. 31). This Product Safety Sheet (PSS) is a voluntary presentation of certain information that may assist the user in the handling of the substance. This PSS is provided in English.

### 1. Identification of the substance/preparation and of the company

<b>Identification</b>	PREBIULIN OP
<b>Product use</b>	SU3 Industrial uses. Uses of substances as such or in preparations at industrial sites. PC39 Cosmetics, personal care products.
<b>Company</b>	GOBIOTICS BV Jac Jansenweg 7 4631 SL Hoogerheide The Netherlands Tel: +31/(0)164 72 80 01
<b>Responsible person</b>	Patrick Gonry info@gobiotics-ingredients.com
<b>Emergency phone</b>	+31 164 72 80 01 (available during office hours)

### 2. Hazards identification

Not classified according to the Directive 1999/45/EC.

Not classified according to the Regulation (EC) No 1272/2008.

Health Hazards: None identified.

Physio-chemical Hazards: None identified.

Environmental Hazards: None identified.

### 3. Composition/information on ingredients

Product	Casn°	EINECS/ELINCSn°	Concentration	Classification
Cichorium Intybus Root Extract	68650-43-1	272-045-6	100%	-

### 4. First-aid measures

<b>Ingestion</b>	Not a toxic product. Rinse mouth with water. In case large amount is ingested seek medical advice.
<b>Inhalation</b>	Remove person to fresh air, seek medical advice.
<b>Skin Contact</b>	No adverse effects expected. Wipe off dry product from skin. Wash skin with water and soap. If irritation persists, seek medical advice.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, with open eyelid. Remove contact lenses, if present and easy to do. If eye irritation persists consult a specialist.

## 5.Fire-fighting measures

<b>Recommended extinguishers</b>	Foam, dry chemical powder, carbon dioxide, water spray.
<b>Forbidden extinguishers</b>	High volume water jet.
<b>Combustion dangers</b>	Upon combustion carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ) are formed. Product can form explosive dust-air mixtures when finely dispersed in air.
<b>Protection means</b>	Respiratory and eye protection required for fire fighting personnel exposed to fumes or smoke.

## 6.Accidental release measures

<b>Individual precautions</b>	See Section 8. Avoid contact and inhalation of dust.
<b>Environmental precautions</b>	Limit leak using soil or sand. Avoid penetration into watercourses and sewers. If penetration does occur, or vegetation becomes contaminated, inform competent authorities.
<b>Cleaning methods</b>	Stop dust cloud by humidifying. Collect the product mechanically. Sweep up or vacuum. Absorb with inactive material. Wash involved area and materials with water.

## 7.Handling and storage

<b>Handling precautions</b>	Prevent dust cloud formation, (e.g. by wetting). Keep workplace clean and avoid dust accumulation. Keep away from sources of ignition.
<b>Storage conditions</b>	Keep product in its original containers at a temperature between 5° and 25°C. Keep away from direct sunlight. Protect from moisture.
<b>Specific use</b>	Do not eat or drink during handling of product.
<b>Indication of the rooms</b>	None in particular.

## 8.Exposure controls/personal protection

<b>Exposure limits values</b>	None
<b>Exposure controls</b>	Not determined
<b>Respiratory protection</b>	Respirator must be worn if exposed to dust. Suitable mask with particle filter P1 (EN143).
<b>Hand protection</b>	Chemical-resistant gloves for prolonged or repeated contact.
<b>Eye protection</b>	Safety glasses.
<b>Skin protection</b>	Clothes with full skin protection.
<b>Environmental exposure controls</b>	Not determined.

## 9.Physical and chemical properties

<b>Appearance</b>	Powder
<b>Colour</b>	White to slightly yellow
<b>Odour</b>	Typical, slight
<b>pH @ 20°C</b>	5.0 – 7.0
<b>Flash point</b>	No data available
<b>Flammability</b>	Not easily combustible
<b>Explosive properties</b>	None
<b>Explosion limits (g/m3)</b>	> 30
<b>Oxidising properties</b>	None
<b>Vapour pressure</b>	No data available
<b>Solubility</b>	Water

<b>Water solubility</b>	< 0.1g/100ml
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Vapour density</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Decomposition temp. (°C)</b>	No data available
<b>Auto-ignition temp. (°C)</b>	320

## 10.Stability and Reactivity

<b>Conditions to avoid</b>	Product is stable under normal conditions. Avoid raising dust.
<b>Substances to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Product does not decompose under normal conditions. Possible decomposition products: carbon monoxide (CO), carbon dioxide (CO <sub>2</sub> ).

## 11.Toxicological information

<b>Acute oral toxicity</b>	LD50 (oral, rat) > 5000mg/kg (non-toxic)
<b>Acute dermal toxicity</b>	NA
<b>Eye irritation</b>	Not irritant
<b>Skin irritation</b>	Not irritant
<b>Corrosivity</b>	None
<b>Sensitization potential</b>	Not sensitizing
<b>CMR effect</b>	None
<b>CIR status</b>	None

## 12.Ecological information

Avoid discharge into the environment.

<b>Ecotoxicity</b>	Not determined.
<b>Mobility</b>	Not determined.
<b>Persistence and degradability</b>	Readily biodegradable.
<b>Bioaccumulative potential</b>	Not determined.
<b>Results of PBT assessment</b>	Not determined.

## 13.Disposal considerations

If it is possible recover the product. Send to the authorized disposal or burning plants under controlled conditions. Follow domestic and national effective laws.

## 14.Transport Information

According to regulations:

ADR (acc. Council Dir. 94/55/EC) & RID (acc. Council Dir. 96/49/EC) – not dangerous.

## 15.Regulatory information

Not a hazardous substance or preparation according to EC directives 67/548/EEC or 1999/45/EC.

Not classified according to the Regulation (EC) No 1272/2008.

The product does not need to be labeled in accordance with EC directives or respective national laws.

## 16.Other information

This material is for use only in fragrances, fragranced products or cosmetics.

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