

PRODUCT SAFETY SHEET

The product does not meet the criteria for classification as hazardous in accordance with Regulation (EC) No 1272/2008, is not persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (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 (SVHC). The 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 available in English only.

1. Identification of substance

Identification	GOSULIN IL
Product use	SU3 Industrial uses. Uses of substances as such or in preparations at industrial sites. PC39 Cosmetics, personal care products.
Company	GOBIOTICS BV Jac Jansenweg 7 4631 SL Hoogerheide The Netherlands Tel: +31/(0)164 72 80 01
Responsible person	Patrick Gonry info@gobiotics-ingredients.com
Emergency phone	+31/(0)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°	EINECSn°	Concentration	Classification
Mixture of isoamyl alcohol and C6-C14 fatty acid esters	6309-51-9 / 62488-24-8 / 81974-61-0 / 627-88-3 / 1314763-50-2 / 1451002-36-0	228-626-1 / 263-570-1 / 279-864-8 / 211-015-9	100%	-

4. First-aid measures

Ingestion	Do not induce vomiting. Seek medical advice immediately.
Inhalation	Does not occur under normal conditions. In case it does, bring the injured to fresh air and allow to rest. If symptoms persist, seek

	medical advice.
Skin Contact	Take off contaminated clothing and wash the affected body part with abundant running water and, if necessary, soap. Seek medical advice.
Eye Contact	Wash immediately and abundantly with running water, keeping the eyelid open, for at least 10 minutes. Protect the eyes with dry sterile gauze or a clean, dry handkerchief. Do not use collyriums or ointments before consulting a specialist. Undergo a specific medical check up.

5. Fire-fighting measures

Recommended extinguishers	Water, CO ₂ , foam, chemical powders depending on materials involved in the fire.
Forbidden extinguishers	Full water jet.
Combustion dangers	If the product is involved in a fire, toxic steams can be generated.
Protection means	Positive Pressure self-contained breathing apparatus and protective clothing required for fire fighting personnel exposed to fumes or smoke.

6. Accidental release measures

Personal precautions	See Section 8.
Environmental precautions	Limit leak using soil or sand. Avoid penetration into water courses and sewers. If penetration does occur or if vegetation becomes contaminated, inform competent authorities.
Cleaning methods	Collect product for possible re-utilization or elimination. Absorb with inactive material. Wash involved area and materials with water.

7. Handling and storage

Handling precautions	Avoid contact and the inhalation of steams. See Section 8. Do not eat or drink during handling of the product.
Storage conditions	Keep product in original containers, in plastic or in stainless steel containers, at a temperature between 5° and 35°C.
Specific use	None in particular.
Indication of the rooms	Provide suitable air extraction ventilation in work areas.

8. Exposure controls/personal protection

Exposure limits values	None.
Exposure controls	Not determined.
Respiratory protection	Not necessary for normal use.
Hand protection	Chemical-resistant gloves.
Eye protection	Safety glasses.
Skin protection	Clothes with full skin protection.
Environmental exposure controls	Not determined.

9. Physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Faint to odourless
pH @ 20°C	NR
Boiling point (°C)	> 150

Flash point (°C)	> 160
Auto-ignition temperature (°C)	230
Melting point (°C)	< - 15
Freezing point (°C)	≈ - 20
Flammability	None
Explosive properties	None
Oxidising properties	None
Vapour pressure	None
Density @ 20°C	0.85 – 0.90
Solubility	In lipophilic components
Water solubility	None (< 0.05 mg/l)
Partition coefficient: n-octanol/water	Not determined
Log Pow	7.17
Viscosity @ 40°C (mm ² /s)	≈ 3.9
Vapour pressure (Pa)	0.00536
Evaporation rate	Not determined
RI @ 20°C	Not determined

10. Stability and Reactivity

Conditions to avoid	None in particular.
Materials to avoid	None in particular.
Hazardous decomposition products	Product does not decompose under normal conditions.

11. Toxicological information

Acute oral toxicity	LD50 (Oral, rat) > 2000 mg/kg
Acute dermal toxicity	NA
Eye irritation	None irritant
Skin irritation	None irritant
Corrosivity	None irritant
Sensitization potential	None sensitizing
CMR effect	None
CIR status	None

12. Ecological information

Avoid discharge into the environment.

Ecotoxicity	LC50 96h (Lepomis macrochinus) > 1 000mg/L LC50 96h (Cyprinus Carpio) > 10 000 mg/L EL50 48h (Daphne Magna) > 100 mg/L NOEC 21d (Daphne Magna) ≥ 100mg/L EC50 72h (Desmodesmus subspicatus) < 100mg/L EC50 16h (Pseudomonas putida) > 10 000mg/L
Mobility	Log Koc: 4.08
Persistence and degradability	100% biodegradable (OECD 301B, 28d; BMG 473-08)
Bioaccumulative potential	BCF (fish 1) : 2770 l/kg (Regression based; BCF/BAF v 3.01) BCF (fish 2) : 122.1 l/kg (BCF/BAF Arnot Gobas) Log Pow : 7.17
Results of PBT	This substance/mixture does not meet the PBT criteria of the

assessment

REACH regulation, Annex XIII.
This substance/mixture does not meet the vPvB criteria of the REACH regulation, Annex XIII.

13. Disposal considerations

If possible, recover the product. Send to 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 in fragrances, fragranced products or cosmetics only.

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