

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

This datasheet applies to all Seraglob QPCR MIX.

Brand: Seraglob

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

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

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



3. **COMPOSITION/INFORMATION ON INGREDIENTS**

The product contains no substances, which at their given concentration, are considered to be hazardous to health.

Component	CAS-No.	EC-No.	Classification	Concentration [%]
Glycerol	56-81-5	200-289-5	not classified	50-60

Indication of danger:

Not hazardous

4. **FIRST AID MEASURES**

Skin contact:

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

Eye contact:

Rinse immediately with plenty of water. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion:

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention

Inhalation:

Remove to fresh air, keep the patient warm and at rest. If symptoms persist, obtain medical attention.

Notes to physician:

Treat symptomatically.

5. **FIREFIGHTING MEASURES**

Suitable extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Special protective equipment for firefighters:

Wear self-contained breathing apparatus and protective suit

6. **ACCIDENTAL RELEASE MEASURES**

Personal precautions:

Wear suitable protective clothing and gloves.

Methods for cleaning up:

Absorb with non-combustible material (sand or similar) and transfer to containers for later disposal.



7. **HANDLING AND STORAGE**

Handling:

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Storage:

Keep only in the original container in a cool well-ventilated place. Keep container closed when not in use.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure limits

Engineering measures:

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment

Hand protection:

Wear protective gloves. Standard EN 374 - Protective gloves against chemicals. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough

Eye protection:

Wear safety glasses with side shields. Standard EN 166 - Personal eye-protection

Skin and body protection:

Long sleeved protective clothing

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

Prevent from entering drains



9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Physical State: liquid
Colour	Colourless
Odour	Odourless
pH	Not available
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	Not applicable.
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Not applicable
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	≈ 1 (Water = 1)
Solubility:	Water: Miscible
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	Not explosive.
Oxidising properties:	No data available
Explosive limits:	No data available

10. **STABILITY AND REACTIVITY**

Stability:	stable
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None known
Conditions to avoid:	Extremely high or low temperatures
Incompatible materials:	strong oxidizing materials
Hazardous decomposition Products:	Carbon monoxide. Carbon dioxide.

11. **TOXICOLOGICAL INFORMATION**

Acute toxicity

Not classified

Glycerol (56-81-5)	
LD50 oral rat	27200 mg/kg
LD50 dermal	56750 mg/kg (Guinea pig)
LC inhalation rat (mg/l)	> 2.75 mg/l/4h

Principle routes of Exposure

Potential Health effects:

Eyes: not classified

Skin: not classified

Inhalation: not classified

Ingestion not classified

Specific effects (Long term effects)

Carcinogenic effects: not classified

Mutagenic effects: not classified

Reproductive toxicity: not classified

Sensitization: not classified

Target organ Effects: not classified

12. **ECOLOGICAL INFORMATION**

Ecotoxicity effects: not classified

Glycerol (56-81-5)	
LC50 fish	54000 mg/l 96 Hours (Salmo gairdneri)

Mobility:

DNA Polymerase	
Ecology – soil	Miscible with water

Biodegradation: No information available

Bioaccumulation: No information available

13. **DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations



14. **TRANSPORT INFORMATION**

UN number

ADR/RID: -

IMDG: -

IATA: -

UN proper shipping name

ADR/RID: not dangerous goods

IMDG: not dangerous goods

IATA: not dangerous goods

Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

Packaging group

ADR/RID: -

IMDG: -

IATA: -

Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

Special precautions for user no data available

15. **REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

Chemical Safety Assessment

No data available

16. **OTHER INFORMATION**

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Seraglob by Bioswisstec shall not be held liable for any damage resulting from handling or from contact with the above product. See www.seraglob.com or reverse side of invoice or packing slip for additional terms and conditions of sale.

