



Sylphium

molecular ecology

Material Safety Data Sheet

Sylphium eTaq DNA polymerase

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SECTION 1: Identification of the product and of the company

Product name: **Sylphium eTaq DNA polymerase**

Product number: SYL1003-2

Supplier: Sylphium Life Sciences
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SECTION 2: Composition and information on ingredients

Product: Tris-KCl-EDTA (TKE) buffer with Nonidet P40 and Tween 20

Chemical composition:

- Tris-HCl
- Potassium chloride (KCl)
- Tween 20
- Ethylenediaminetetraacetic acid (EDTA)
- Nonidet P40
- eTaq DNA polymerase

SECTION 3: Hazards identification

This mixture is not classified as hazardous according to regulation (EC) no. 1272/2008

- Tris-HCL: irritating to eyes and skin. May cause respiratory irritation.
- Potassium chloride (KCl): no specific hazards known.
- Ethylenediaminetetraacetic acid (EDTA): may cause eye irritation on direct contact.
- Nonidet P40: may cause skin, eye, and respiratory tract irritation.
- Tween 20: may cause eye irritation on direct contact.

SECTION 4: First aid measures

First Aid instructions for exposure

Inhalation	Move the victim to fresh air and allow them to rest in a comfortable position.
Skin contact	Rinse eyes with water for at least 15 minutes and seek medical attention if irritation persists
Eye contact	Remove contaminated clothing and wash skin with water and soap.
Ingestion	Rinse mouth with water and drink plenty of water. Seek immediate medical attention.

SECTION 5: Fire-fighting measures

This mixture is not flammable.

SECTION 6: Accidental release measures

Safety measures and precautions

Spills	Limit the spread of the mixture with absorbent material.
Inhalations	Move the victim to a well-ventilated area.
Eye or skin contact	Use protective clothing and gloves when handling the mixture. Avoid contact with skin, eyes, and respiratory tract.

SECTION 7: Handling and storage

Storage and handling precautions

Handling	Use protective clothing and gloves when handling the mixture. Avoid contact with skin, eyes, and respiratory tract.
Storage	Store the mixture in a tightly closed container at room temperature.

SECTION 8: Exposure controls and personal protection

Workplace safety

Personal protective Equipment	<ul style="list-style-type: none"> • Eye protection: wear protective goggles or face shield in case of eye contact. • Hands: wear protective gloves when handling the mixture. • Skin protection: wear protective clothing to avoid contact with the skin. • Respiratory Protection: Wear suitable respiratory protection in case of inhalation.
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SECTION 9: Physical and chemical properties

Physical and chemical properties

Physical State	Liquid
Color	Clear
Odor	Odorless
pH	7.4 ± 0.2
Boiling point	Not applicable
Melting point	Not applicable
Flammability	Not flammable
Flash point	Not applicable
Explosive properties	Not explosive
Vapor pressure	Not applicable
Density	1.03 g/cm ³ at 20°C

SECTION 10: Stability and reactivity

Stability and reactivity

Stability	Stable under normal conditions of use and storage.
Incompatible materials	None known.
Hazardous or decomposition products	No dangerous reactions known under normal conditions of use.

SECTION 11: Toxicological information

Irritation and toxicity details

Acute toxicity	Not expected to be harmful by inhalation, ingestion, or skin contact.
Skin corrosion or irritation	May cause skin irritation.
Serious eye damage or irritation	May cause eye irritation.

SECTION 12: Ecological information

No data available.

SECTION 13: Disposal considerations

Dispose of waste in accordance with local, state, and federal regulations.

SECTION 14: Transport information

This mixture is not regulated for transportation.

SECTION 15: Regulatory information

- EC number: not applicable
- REACH registration number: not applicable
- CAS number: not applicable
- Classification and labeling: not classified as hazardous according to Regulation (EC) No. 1272/2008.

SECTION 16: Other information

This Safety Data Sheet is based on the current state of knowledge and applies to the mixture as formulated. It should not be construed as guaranteeing specific properties of the product.

The information provided in this Safety Data Sheet is accurate to the best of our knowledge, information, and belief at the date of its publication. However, we make no representations or warranties, either express or implied, as to the completeness or accuracy of the information contained herein. It is the user's responsibility to ensure that this Safety Data Sheet is suitable and sufficient for their purposes and to comply with all applicable legal requirements and regulations.



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