



Sylphium

molecular ecology

Material Safety Data Sheet

eTaq qPCR mix

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Version 1

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SECTION 1: Identification of the product and of the company

Product name: **eTaq qPCR mix**

Product number: SYL1003-1

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

- Tris-HCl
- $(\text{NH}_4)_2\text{SO}_4$
- Tween 20
- MgCl_2
- BSA
- dNTPs

SECTION 3: Hazards identification

No hazards known.

SECTION 4: First aid measures

First Aid instructions for exposure

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician.
Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion	If swallowed, do not induce vomiting. Call a physician immediately.

SECTION 5: Fire-fighting measures

Fire hazards and safety information

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	May produce hazardous fumes under fire conditions.

SECTION 6: Accidental safety measures

Safety measures and precautions

Personal precautions	Wear appropriate protective equipment.
Environmental precautions	Prevent from entering into soil, ditches, sewers, waterways, or groundwater.
Cleanup procedures	Absorb with an inert material and dispose of in accordance with local, state, and federal regulations.

SECTION 7: Handling and storage

Storage and handling precautions

Handling	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage	Store in a cool, dry, well-ventilated area away from incompatible materials.

SECTION 8: Exposure controls and personal protection

Workplace safety and PPE guidelines

Exposure guidelines	Not available.
Engineering controls	Use local exhaust ventilation if general ventilation is not adequate to control airborne contamination.
Personal protective Equipment	• Eye/Face Protection: Wear chemical safety goggles and/or a full face shield where splashing is possible. • Skin Protection: Wear protective gloves and protective clothing to prevent skin contact. • Respiratory Protection: Use an appropriate NIOSH-approved respiratory protection if airborne exposure limits are exceeded or if respiratory irritation or distress is experienced.

SECTION 9: Physical and chemical properties

Physical and chemical properties

Physical State	Liquid
Color	Colorless to yellow
Odor	Odorless
pH	8.8
Boiling point	Not applicable
Melting point	Not applicable
Flash point	Not applicable
Auto-ignition	Not applicable
Solubility	Soluble in water

SECTION 10: Stability and reactivity

Stability and reactivity

Stability	Stable under normal conditions of use and storage.
Incompatible materials	Strong oxidizing agents.
Hazardous or decomposition products	May produce toxic fumes under fire conditions.

SECTION 11: Toxicological information

Irritation and toxicity details	
Acute toxicity	LD50/LC50: not available.
Skin corrosion or irritation	May cause skin irritation or dermatitis upon prolonged contact.
Serious eye damage or irritation	May cause serious eye irritation or damage upon prolonged contact.
Respiratory or skin sensitization	Not expected to be a respiratory or skin sensitizer.
Carcinogenicity	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.
Reproductive toxicity	No known effects.
Teratogenicity	No known effects.
Mutagenicity	No known effects.

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

DOT (US): not regulated.

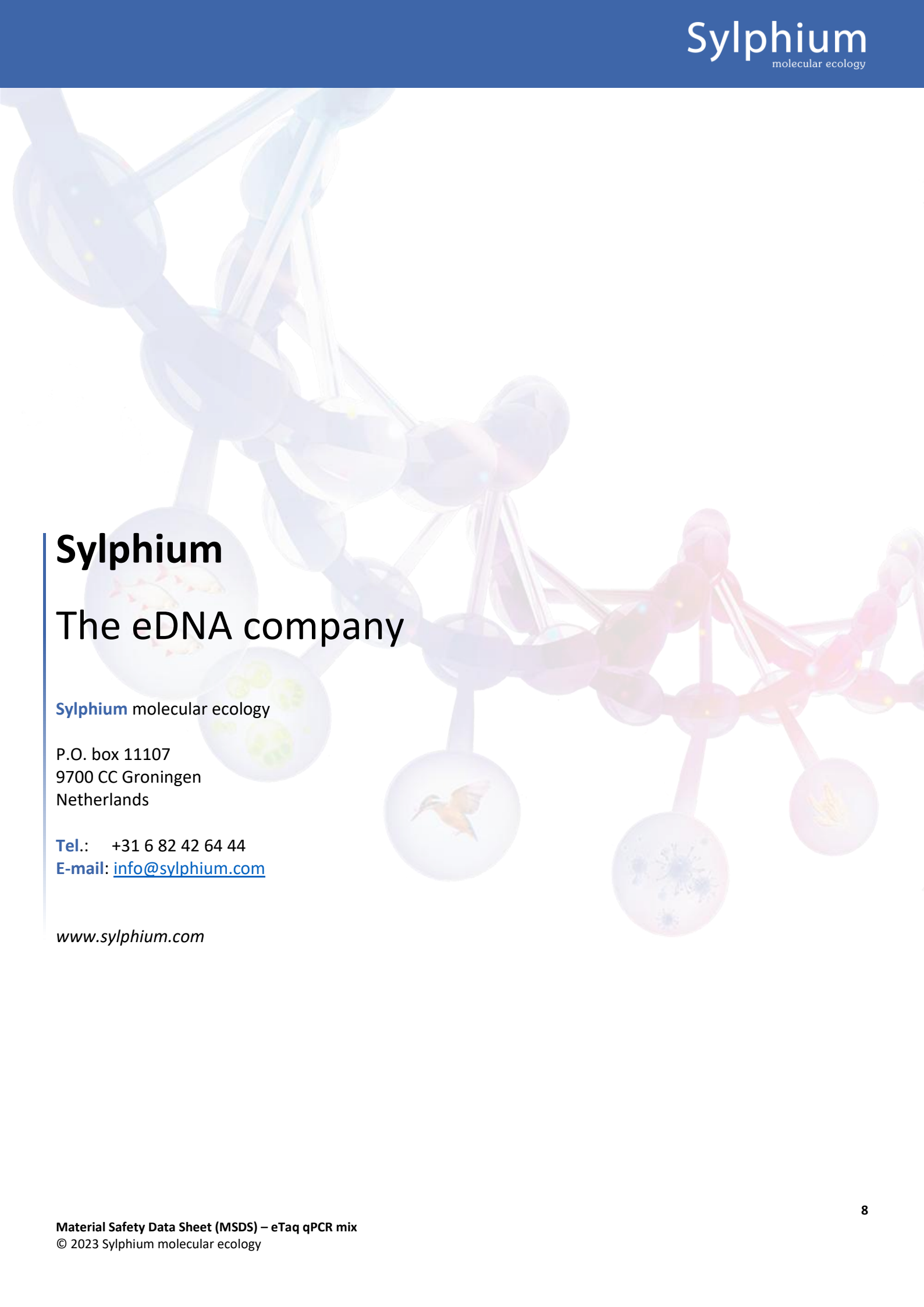
SECTION 15: Regulatory information

TSCA 8(b) inventory: all components are listed.

SECTION 16: Other information

- NFPA health rating: 1
- NFPA flammability rating: 0
- NFPA reactivity rating: 0

The information provided in this Material Safety Data Sheet is accurate to the best of our knowledge. However, no warranty, express or implied, is made with regard to this information. It is the user's responsibility to ensure the safe handling, storage, and disposal of the product, as well as to take all necessary precautionary measures to protect human health and the environment.



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