

Sylphium

molecular ecology



Material Safety Data Sheet

eDNA storage buffer (S6)

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SECTION 1: Identification of the product and of the company

Product name: **Wash solution (S5)**

Product number: SYL002-S6

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SECTION 2: Composition and information on ingredients

Chemical name: TE buffer

Contents: Mixture of Tris (10 mM) and EDTA (1mM) in deionized water

SECTION 3: Hazards identification

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

SECTION 4: First aid measures

First Aid instructions for exposure

Inhalation	Move to fresh air. If symptoms persist, seek medical advice/attention.
Skin contact	Wash with plenty of soap and water. If skin irritation occurs, seek medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice/attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. If you feel unwell, seek medical advice/attention.

SECTION 5: Fire-fighting measures

Fire hazards and safety information

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for extinguishing.
Special hazards arising from the substance or mixture	None known
Advice for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental safety measures

Safety measures and precautions

Personal precautions	Wear protective clothing and equipment. Avoid breathing mist, vapours, or spray.
Cleanup procedures	Methods for cleaning up: Soak up with inert absorbent material and dispose of according to local regulations.

SECTION 7: Handling and storage

Storage and handling precautions

Handling	Avoid breathing mist, vapours, or spray.
Storage	Store in a cool, dry place.

SECTION 8: Exposure controls and personal protection

Workplace safety and PPE guidelines

Control parameters	No specific occupational exposure limits have been established for this product.
Exposure controls	Use appropriate engineering controls (e.g. fume hoods) to minimize exposure to the product. Wear appropriate personal protective equipment, including gloves, goggles, and lab coats.

SECTION 9: Physical and chemical properties

Physical and chemical properties	
Physical appearance	Clear, colorless liquid
Odor	Odorless
pH	8.0-8.5
Boiling point	100 °C
Melting/freezing point	-114 °C
Flammability	Non-flammable
Density	1.0 g/cm ³
Solubility	Soluble in water
Flash point	N/A
Auto-ignition temperature	N/A
Upper/lower flammability or explosive limits	N/A
Vapor pressure	N/A
Vapor density	N/A
Partition coefficient (n-octanol/water)	N/A

SECTION 10: Stability and reactivity

Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	The product is stable under normal conditions of use, storage and transport.
Possibility of hazardous reactions	No hazardous reactions are known or expected to occur.
Conditions to avoid	Avoid heat sources and direct sunlight. Keep the product tightly closed when not in use.
Incompatible materials	No incompatible materials are known.
Hazardous decomposition products	No hazardous decomposition products are expected to be formed under normal conditions of use.

SECTION 11: Toxicological information

This product has not been tested for toxicological effects. However, it is not expected to cause significant health hazards under normal conditions of use.

SECTION 12: Ecological information

TE buffer is not considered hazardous to the environment.

SECTION 13: Disposal considerations

Dispose of according to local, state, and federal regulations.

SECTION 14: Transport information

Not regulated for transport.

SECTION 15: Regulatory information

This product is not classified according to the EU regulations.

This product is not subject to reporting requirements under the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 16: Other information

The information provided in this Material Safety Data Sheet is believed to be accurate and reliable, but is provided without warranty, express or implied, regarding its correctness or accuracy. The user assumes all risks associated with the use of this product.

Disclaimer: This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use and handling of this product. The information provided in this MSDS is believed to be accurate and reliable, but is provided without warranty, express or implied, regarding its correctness or accuracy. The user assumes all risks associated with the use of this product. The user is responsible for ensuring that this MSDS is read and understood by all persons who may come in contact with the product. If clarification or further information is needed, please contact us.



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