

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006  
(amended by Regulation (EU) 2020/878)

---

### HiFi Taq DNA Ligase Buffer

---

---

#### ***SECTION 1: Identification of the substance/mixture and of the company/undertaking***

##### **1.1. Product identifier**

**Product name** HiFi Taq DNA Ligase Buffer

**Product code** -

##### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of the Substance/Mixture** Laboratory chemicals. For research use only.

##### **1.3. Details of the supplier of the safety data sheet**

**Company/Undertaking Identification** SOPHiA GENETICS SA  
La Pièce 12  
CH-1180 Rolle  
Switzerland  
+41 21 694 10 60  
<http://www.sophiagenetics.com>

**1.4. Emergency telephone number** local: 145 (Tox Info Suisse)  
international: +41 44 251 51 51

**Revision date** 24.04.2025

**Version** GHS 2

---

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008**

The substance or mixture is not classified.

In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

**Additional information**

For the full text of the phrases mentioned in this Section, see Section 16.

### 2.2. Label elements

**Signal Word**

-

**Hazard Statements**

None.

**Precautionary statements**

None.

**Supplemental information**

None.

**Product identifier**

Not required.

### 2.3. Other hazards

Endocrine disrupting chemical(s): Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether

---

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Components	Weight %	CLP Classification	Product identifier
Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether	1% - 5%	Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Irrit. 2 H319, Aquatic Chronic 3 H412	CAS-No.: 9002-93-1 EC-No.: 618-344-0

For the full text of the phrases mentioned in this Section, see Section 16.

**Hazardous impurities**

None known.

---

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation**

No special measures required.

**Skin contact**

Wash with water and soap as a precaution.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water.

**4.2. Most important symptoms and effects, both acute and delayed**

The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

**4.3. Indication of any immediate medical attention and special treatment needed**

None known.

---

## ***SECTION 5: Firefighting measures***

### **5.1. Extinguishing media**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide. No special measures required.

**Unsuitable extinguishing media**

High volume water jet.

**5.2. Special hazards arising from the substance or mixture**

The product is not flammable.

### **5.3. Advice for firefighters**

**Special protective equipment for firefighters**

Standard procedure for chemical fires.

**Specific methods**

No special measures required.

---

## ***SECTION 6: Accidental release measures***

### **6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

No special measures required.

**For emergency responders**

Forms slippery/greasy layers with water.

### **6.2. Environmental precautions**

No special environmental precautions required.

**6.3. Methods and material for containment and cleaning up**

Clean up promptly by sweeping or vacuum. After cleaning, flush away traces with water.

---

## ***SECTION 7: Handling and storage***

**7.1. Precautions for safe handling**

No special technical protective measures required.

**7.2. Conditions for safe storage, including any incompatibilities**

Store at room temperature in the original container.

**7.3. Specific end use(s)**

No information available.

---

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

**Exposure limit(s)** No data is available on the product itself.

### **8.2. Exposure controls**

**Appropriate engineering controls** General industrial hygiene practice.

#### **Personal protection equipment**

*Respiratory protection* No special protective equipment required.

*Hand protection* Gloves made of Nitril. The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it.

*Eye protection* Avoid contact with eyes.

*Skin and body protection* No special measures required.

*Thermal hazards* No special measures required.

**Environmental exposure controls** No special measures required.

---

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Odorless.
<b>Melting point/ freezing point:</b>	Not determined.
<b>Boiling point or initial boiling point / range:</b>	Not determined.
<b>Flammability:</b>	non-flammable
<b>Lower and upper explosion limit:</b>	Not determined.
<b>Flash point:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>pH:</b>	8.5
<b>Kinematic viscosity:</b>	Not determined.
<b>Solubility:</b>	Not determined.
<b>Partition coefficient n-octanol/water (log value):</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density:</b>	Not determined.
<b>Relative vapour density:</b>	Not determined.
<b>Particle characteristics:</b>	Not applicable.

## 9.2. Other information

9.2.1 Information with regard to physical hazard classes	No information available.
9.2.2 Other safety characteristics	No information available.

---

## SECTION 10: Stability and reactivity

10.1. Reactivity	No information available.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Vapours in contact with fire or red-hot surfaces may form decomposition products with highly irritating and warning effects.
10.5. Incompatible materials	Acids and bases. Oxidizing agents.
10.6. Hazardous decomposition products	None under normal use.

---

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	<b>Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether (CAS 9002-93-1)</b> Oral LD50 Rat = 1800 mg/kg (NZ_CCID)
Skin corrosion/irritation	Negligible.
Serious eye damage/eye irritation	Contact with eyes may cause irritation.
Respiratory or skin sensitisation	None.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Germ cell mutagenicity	Contains no ingredient listed as a mutagen.
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction.
Specific target organ toxicity - Single exposure	No data available.
Specific target organ toxicity - Repeated exposure	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

## 11.2. Information on other hazards

<b>Endocrine disrupting properties</b>	Endocrine disrupting chemical(s): Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether (CAS 9002-93-1)
<b>Other information</b>	No data available.

---

## SECTION 12: Ecological information

<b>12.1. Toxicity</b>	No data available.
<b>12.2. Persistence and degradability</b>	Readily biodegradable.
<b>12.3. Bioaccumulative potential</b>	Does not bioaccumulate.
<b>12.4. Mobility in soil</b>	No data available.
<b>12.5. Results of PBT and vPvB assessment</b>	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
<b>12.6. Endocrine disrupting properties</b>	Endocrine disrupting chemical(s): Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether (CAS 9002-93-1)
<b>12.7. Other adverse effects</b>	No information available.

---

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. European Waste catalogue code (EWC-code): 07 07 99. (corresponds to the VeVA Code - Ordinance on the Movement of Waste)
<b>Contaminated packaging</b>	Offer rinsed packaging material to local recycling facilities.

---

## SECTION 14: Transport information

<b>14.1. UN number or ID number</b>	Not applicable.
<b>14.2. UN proper shipping name</b>	Not applicable.
<b>14.3. Transport hazard class(es)</b>	Not applicable.
<b>14.4. Packing group</b>	Not applicable.
<b>14.5. Environmental hazards</b>	Not applicable.

<b>14.6. Special precautions for user</b>	Not applicable.
<b>14.7. Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>UN Model Regulations</b>	
<b>ADR/RID</b>	Not regulated.
<b>IMDG</b>	Not regulated.
<b>IATA</b>	Not regulated.
<b>Further Information</b>	Not classified as dangerous in the meaning of transport regulations.

---

## SECTION 15: Regulatory information

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

<b>Regulatory Information</b>	In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled. Water contaminating class (WGK Germany) = 1. Storage class 12.
-------------------------------	---

#### **Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)phenyl ether (CAS 9002-93-1)**

TEDX (The Endocrine Disruption Exchange) - Potential Endocrine Disruptors	Present
Switzerland - Candidate List	Endocrine disrupting properties (covering well defined substances and UVCB substances, polymers and homologues) Endocrine disrupting properties
Switzerland - Chemical Risk Reduction Ordinance - Prohibited and Restricted Substances	Use restricted. See annex 1.7 in the regulation (also preparations including clearly defined substances, like UVCB, polymers and homologue substances)
Switzerland - PIC Regulations - Annex I	"pesticide" As Ethoxylated octyl phenol [9036-19-5]
EU - Endocrine Disrupters (COM (2001)262) - Candidate List of Substances	Group III Chemical
EU - European Pollutant Release and Transfer Register (E-PRTR) (166/2006) - Threshold Quantities	"1 kg/yr TQ (water, listed under Octylphenols and Octylphenol ethoxylates)" As tert-Octylphenol, ethoxylated [9036-19-5]
EU - REACH (1907/2006) - Annex XIV (Authorization List) Recommendations by ECHA	Endocrine disrupting properties, Article 57f - environment (Fifth list of Annex XIV recommendations by ECHA, listed under 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated)
EU - REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	Intrinsic properties: Endocrine disrupting properties (Article 57(f) - environment) Application date: July 4, 2019 Sunset date: January 4, 2021 Exempted uses: extended latest application and sunset date for the research, development and production of medicinal products or medical devices in view of their use for the diagnosis, treatment or prevention of the coronavirus disease (COVID-19) (42) Reason for inclusion Endocrine disrupting properties, Article 57f - environment (618-344-0)
EU - REACH (1907/2006) - Article 59(1) - Candidate List of Substances of Very High Concern (SVHC) for Authorisation	

---

## **SECTION 16: Other information**

**Key or legend to abbreviations  
and acronyms**

CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)  
EWC: European Waste catalogue code  
VeVA: Ordinance on the Treatment of Waste (SR 814.610)

**Key literature references and  
sources for data**

Sources of key data used to compile the Safety Data Sheet:  
REACH, ECHA.

**Full text of phrases referred to  
under sections 2 and 3**

H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H412: Harmful to aquatic life with long lasting effects.

**Training advice**

For further information, refer to the product technical data sheet.

**Instructions for use**

Restricted to professional users.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

## Document Approvals

Approved Date: 06 Jun 2025

Approval Verdict: Approve	Sofia Ridray, (sridray@sophiagenetics.com) Quality Approval 03-Jun-2025 15:16:46 GMT+0000
Approval Verdict: Approve	Rida Fares, (rfares@sophiagenetics.com) Quality Approval 06-Jun-2025 08:59:59 GMT+0000
QA Approval Verdict: Approve	Claire Mullane, (cmullane@sophiagenetics.com) Quality Assurance Approval 06-Jun-2025 09:18:23 GMT+0000