

Safety Data Sheet

In accordance with Regulation (EU) No 830/2015

Revision date: 26.04.2022 version 3

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

Product name	FIREPol® DNA Polymerase, 5 U/μl
Catalogue number	01-01-0000S, 01-01-00500, 01-01-01000, 01-01-02000
REACH registration number	Not applicable
Recommended use of the chemical and uses advised against	This product is for Research Use Only. Not for consumer use.
Manufacturer/Supplier	Solis BioDyne OÜ Teaduspargi 9, 50411 Tartu, Estonia Tel. +372 740 9960, Fax. +372 740 2079
Information in case of emergency	Tel. +372 740 9960

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Label elements	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Physical hazards	Not hazardous
Health hazards	Not hazardous
Environmental hazards	Not hazardous
Explosion hazards	Not hazardous
Other hazards	This mixture does not contain any substances that are assessed to be a PBT or a vPvB

3. COMPOSITION/ INFORMATIONS ON INGREDIENTS

Hazardous/Non-hazardous Components:

Component	CAS-No.	EC No.	Weight %
Glycerol	56-81-5	200-289-5	50%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST-AID MEASURES

Skin contact	Wash off with plenty of water, also under the eyelids, for at least 15 minutes
Eye contact	Rinse opened eye immediately with plenty of water. Remove contact lenses if present. If irritation persists, get medical attention.
Inhalation	Move to fresh air. Consult a physician if necessary.
Ingestion	Do not induce vomiting.
Most important symptoms and effects, both acute and delayed	No information available
Indication of any immediate medical attention and special treatment needed	None
Notes to physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, CO ₂ , water spray or alcohol resistant foam.
Unsuitable extinguishing media	No information available
Fire/Explosion hazards	Not applicable
Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition.
Protective equipment and precautions for fire-fighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	Use personal protection recommended in Section 8.
Environmental precautions	Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so. See section 12 for additional information.
Methods and material for containment and cleaning up	Soak up with inert absorbent material

7. HANDLING AND STORAGE

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.
Conditions for safe storage, including any incompatibilities	Store at -20°C. Keep/store only in original container and tightly closed.
Specific uses	For Research Use Only

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Contains no substances with occupational exposure limit values.		
Components with critical values that require monitoring at the workplace:			
Component	AGW (Germany)	PEL (USA)	TLV (USA)
Glycerol CAS-No. 56-81-5	Long-term value: 200 E mg/m ³ 2(l); DFG, Y	Long-term value: 15* 5* mg/m ³ mist; *total dust **respirable fraction	TLV withdrawn-insufficient data human occup. Exp.
Engineering measures	Showers. Eyewash stations. Ensure adequate ventilation.		
Personal protective equipment:			
Respiratory protection	Not required. Use in well ventilated areas.		
Skin and body protection	Wear suitable protective clothing and gloves		
Eye and face protection	Wear safety glasses with side shields (or goggles)		
Skin and body protection	Appropriate protective clothing		
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice		
Protection of hands	Check protective gloves prior to each use for their proper condition. Material of gloves: Nitrile rubber, NBP Penetration time of glove material (in minutes): 480 Glove thickness: 0.11 mm		
Environmental exposure controls	Prevent product from entering drains. Do not allow material to contaminate ground water system		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Slightly viscous liquid
Appearance	Colorless
Odour	Not defined

pH value	7.0-9.0. Contact info@solisbiodyne.com for specific information
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosive properties	No data available
Vapor pressure	No data available
Relative density	No data available
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient	No data available
Viscosity	No data available
Oxidizing properties	No data available
Other information	No data available

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Hazardous reaction has not been reported
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents, acids and alkali
Hazardous decomposition products	None under normal conditions

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Based on available data, the classification criteria are not met.		
Component Information:			
Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycerol	12600 mg/kg (Rat)	>10 g/kg (Rabbit)	>2.75 mg/L/4h (Rat) (mist)
Skin corrosion/irritation	May cause skin irritation		
Serious eye damage/irritation	May cause eye irritation		
Sensitization:			
Respiratory	Material may be irritating to mucous membranes and upper respiratory tract		
Skin	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals		
Germ cell mutagenicity	No data available		
Carcinogenicity	No data available		
Reproductive toxicity	No data available		
STOT-single exposure	No data available		
STOT-repeated exposure	No data available		
Aspiration hazard	No data available		

12. ECOLOGICAL INFORMATION

Marine pollutant	No data available
Mobility	No data available
Persistence and degradability	No data available
Bioaccumulation	No data available

Ecotoxicity	This product is slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system
Other adverse effects	No data available

13. DISPOSAL CONSIDERATIONS

Waste handling and disposal	<p>The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique.</p> <p>Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations. Do not empty into drains. Do not dispose of waste into sewer.</p>
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14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border):	
ADR/RID class	Not regulated
Air transport ICAO-TI and IATA-DGR:	
ICAO/IATA class	Not regulated
Additional information	This substance is considered to be non-hazardous for transport

15. REGULATORY INFORMATION

Labelling according to EU guidelines	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials
Chemical safety assessment	No Chemical safety assessment has been carried out

16. OTHER INFORMATION

Prepared by	Solis BioDyne / Product Marketing Manager
Reason for revision	Update according to Commission Regulation (EU) No 830/2015
Revision number	3
Revision date	22.04.2022
Revision note	SDS is valid 3 years from revision date. Contact info@solisbiodyne.com for latest revision.

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