



SAFETY DATA SHEET

(according to regulation 1907/2006/EC (REACH) and 1272/2008/EC)

PARTNER IN YOUR SUCCESS

Trade name: **TargetEx Fine Taq Polymerase 10 mg/ml**

Version: 1 Date of last revision: -

Date of issue: 17. 10. 2025 Page: 1/(13)

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

1.1. Product identifier:

TargetEx Fine Taq Polymerase 10 mg/ml

- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: protein solution, for profession and industrial use.
Uses advised against: distribution for population

1.3. Details of the supplier of the safety data sheet:

Manufacturer's Details:

TargetEx Kft.
2120 Dunakeszi, Madách Imre utca 31/2.
Tel.: +36 30 252 0971
E-mail: info@targetex.com

Trader identification:

TargetEx Kft.
2120 Dunakeszi, Madách Imre utca 31/2.
Tel.: +36 30 252 0971
E-mail: info@targetex.com

Responsible for SDS:

TargetEx Kft.
2120 Dunakeszi, Madách Imre utca 31/2.
Tel.: +36 30 252 0971
E-mail: info@targetex.com

1.4. Emergency telephone number

Health Toxicological Information Service (ETTSZ 1097 Budapest, Albert Flórián st. 2-6.)
Tel.: +36 80 201 199 (0-24 h, free number, can only be called from Hungary).
+36 1 476 6464 (0-24 h, can be called for a normal fee - also from abroad)
National Health Toxicological Information Service:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazard Class and Category:	Hazard statement:
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.



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2.2. Label elements

Product identification: Trade name: **TargetEx Fine Taq Polymerase 10 mg/ml**

Hazardous components: -

GHS Pictogram: not required

Signal word: not required

Hazard statement:

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information:

-

Precautionary statements – General: -

Precautionary statements – Prevention:

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection/face protection.

Precautionary statements – Response:

-

Precautionary statements – Storage: -

Precautionary statements – Disposal:

P501 Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile warning of danger and child-resistant fastening: not required.

Transport classification: see section 14.

2.3. Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006 at concentrations 0,1% or higher.

The product contains substance with endocrine disrupting properties: Octylphenol polyethoxylated (CAS: 9036-19-5, ED ENV 1)



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical description: Mixture of substances with water (emulsion)

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Glycerol REACH Registr. Nr.: 01-2119471987-18	200-289-5	56-81-5	-	-	30-60
Octylphenol polyethoxylated REACH Registr. Nr.: no data	-	9036-19-5	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Aquatic Acute 1 Aquatic Chronic 1 ED ENV 1	H302 H315 H318 H400 (M=10) H410 (M=1) EUH430	<0,8

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation: Remove the affected person to fresh air. Call a physician if you feel unwell.

Skin contact: Take off contaminated clothing. Wash skin with large amounts of water, use soap. In case of complaints, get medical attention.

Eye contact: Flush eyes with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Ingestion: Rinse mouth. DO NOT induce vomiting. Call a physician if you feel unwell.

Protection of first-aid person: No data available.

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

Irritant effects may occur.

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

Treat symptomatically.



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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry chemical powder, water spray.

Unsuitable extinguishing media:

No data.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

On burning, carbon dioxide, carbon monoxide, various hydrocarbons, toxic pyrolysis products can be formed.

5.3. Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Respiratory protection.

Further information:

Collect contaminated fire-fighting water separately. It must not enter the sewage system.

Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Adequate ventilation must be provided.

Keep away from sources of ignition. –No smoking.

Danger of slipping on leaked out/spilled product.

Avoid contact with skin and eyes.

6.2. Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil.

Notify relevant authority.

6.3. Methods and material for containment and cleaning up

On soil: All kind of ignition sources should be removed. Recover free liquid by pumping.



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Contain the rest or small quantities with sand, vermiculite, or other suitable absorbents. Should be treated as hazardous waste.
On water: Notify local authorities according to regulations.

6.4. Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep general measures applied for normal operations with chemical products.

Adequate ventilation or local exhaust.

Keep material away from and open flame. No smoking.

Avoid contact with skin and eyes. Avoid prolonged breathing of vapours.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke. Avoid splashing the product.

Handling temperature: no data.

7.2. Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of chemicals.

Store in dry, cool, well ventilated place in original, closed containers.

Keep away from radiant heat, strong oxidizing agents, reducing agents, acids.

Storage temperature: -20°C

7.3. Specific end use(s)

Protein solution.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters:

No components to be listed

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8.2. Exposure controls

Engineering control measures:

Adequate ventilation.

Personal protection:

(a) Eye/face protection

Protective goggles (EN 166).

(b) Skin protection

(i) Hand protection

Chemical resistant gloves (EN 374).

Note: Manufacturer's directions for use and the conditions of application should be observed.

(ii) Other

Work clothes.

(c) Respiratory protection

Breathing apparatus is not required in case of adequate ventilation. In case of exceeded exposure-limits respiratory protection with an organic vapor filter is recommended.

(d) Thermal hazards

No data.

Other special:

Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Physical state:

liquid

b) Colour:

colorless

c) Odour:

odourless

d) Melting point/freezing point:

not available

e) Boiling point or initial boiling point and boiling range:

not available

f) Flammability:

not flammable

g) Lower and upper explosion limit:

Formation of explosive vapor/air mixture is possible:
2.7 vol% / 19 vol.% (glycerol)



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h) Flash point:	not available
i) Auto-ignition temperature:	not available
j) Decomposition temperature:	not available
k) pH:	approx. 8.0
l) Kinematic viscosity at:	
at 40°C:	not available
at 100°C:	not available
m) Solubility	
Solubility in water:	completely soluble
Solubility in other solvents:	not available
n) Partition coefficient n-octanol/water (log value):	not available
o) Vapour pressure:	not available
p) Density and/or relative density:	1.13 g/cm ³
q) Relative vapour density:	not available
r) Particle characteristics:	not available

9.2. Other information

Not available data.

SECTION 10: Stability and reactivity

10.1. Reactivity:	Dangerous reactivity not known.
10.2. Chemical stability:	No decomposition if stored and handled properly.
10.3. Possibility of hazardous reactions:	Not known.
10.4. Conditions to avoid:	Storage at temperatures higher than the recommended values.
10.5. Incompatible materials:	Strong oxidizing agents, reducing agents, acids.
10.6. Hazardous decomposition products:	No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

SECTION 11: Toxicological information

- 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity: Based on available data, the classification criteria are not met.



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Components:

Glycerol (CAS: 56-81-5):

Oral:	LD ₅₀ (rat, female)	27200	mg/kg
Dermal:	LD ₅₀ (guinea pig)	56750	mg/kg
Inhalation:	LC ₅₀ (rat)	>5840	mg/L

Octylphenol polyethoxylated (CAS: 9036-19-5):

Oral:	LD ₅₀ (rat)	1900 - 5000	mg/kg
Inhalation:	LC ₅₀ (rabbit)	>3000	mg/L

Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

11.2. Information on other hazards

The product contains substance with endocrine disrupting properties: Octylphenol polyethoxylated (CAS: 9036-19-5, ED ENV 1)

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.



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Components:

Octylphenol polyethoxylated (CAS: 9036-19-5):

Fish (*Leuciscus idus*): LC50 0.26 mg/L (96 h) (OECD 203)

Daphnia (*Daphnia magna*): EC50 0.011 mg/L (48 h)

Algae (*Pseudokirchneriella subcapitata*): EC50 1.9 mg/L (96 h)

Fish (*Danio rerio*): NOEC 0.012 mg/L (OECD 210)

Daphnia (*Daphnia magna*): NOEC 0.03 mg/L (21 d) (OECD 202, semi-static)

12.2. Persistence and degradability	No data available.
Biodegradability:	No data available.
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	No data available.
Mobility in water:	It is completely miscible with water.
12.5. Results of PBT and vPvB assessment	Does not contain PBT and vPvB substances at concentrations 0,1% or higher.
12.6. Endocrine disrupting properties	The product contains substance with endocrine disrupting properties: Octylphenol polyethoxylated (CAS: 9036-19-5, ED ENV 1)
12.7. Other adverse effects	Not available.
Water hazard class (German):	Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 16 05 06*

Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals



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Waste Identification Code: 20 01 09*
Detergents containing dangerous substances

Recommended waste treatment method: no information

Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 10*

Packaging containing residues of or contaminated by dangerous substances.

Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.

SECTION 14: Transport information

Road/ Railway	ADR/RID:	Not classified.
14.1. UN number or ID number:		Not classified.
14.2. UN proper shipping name:		Not classified.
14.3. Transport hazard class(es):		Not classified.
14.4. Packing group:		Not classified.
14.5. Environmental hazards:		Not classified.
14.6. Special precautions for user:		Not classified.
14.7. Maritime transport in bulk according to IMO instruments		Not applicable
Waterways:		
Inland waterways/ Sea transport	ADN/IMDG:	Not apply to the product.
Air transport:	ICAO / IATA:	Not apply to the product.



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SECTION 15: Regulatory information

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

This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.

Seveso category: not classified.

15.2. Chemical safety assessment.

not available

SECTION 16 : Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)

Aquatic Chrpnic 3 H412 calculation method

The full text of each relevant H- phrase and Hazard classes and cat. in Section 3.:

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH430	May cause endocrine disruption in the environmen



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Acute Tox. 4	Acute toxicity Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Aquatic Acute 1	Hazardous to the aquatic environment, Acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, Chronic Category 1
ED ENV 1	Endocrine disruption for the environment Category 1

Legend:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BOD	Biological Oxygen Demand
Bw	Body Weight
C&L	Classification and Labelling
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging (1272/2008/EC)
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ec _x	Effective Concentration x%
ErC ₅₀	EC ₅₀ in terms of reduction of growth rate
Ed _x	Effective Dose x%
EC	European Community
EC number	European Community number
ELINCS	European List of Notified Chemical Substances
ES	Exposure Scenario
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC _x	Lethal Concentration x%
LD _x	Lethal Dose x%



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LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NOEC	No observed effect concentration
NOEL	No observed effect level
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts/million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bio-accumulative

Revision Indicators:

Section	Subject of change	Date	Version