

MATERIAL SAFETY DATA SHEET

This product is not classified as hazardous based on Directive 67/548/EEC (as amended) or Directive 1999/45/EC of the Commission of the European Communities

AMPLITAQ DNA POLYMERASE,LD

1. Identification of the substance/preparation and the company

1.1 Identification of the substance or preparation:

Synonyms: AmpliTaq DNA POLYMERASE,LD
AmpliTaQ DNA POLYMERASE,LD,with GeneAmp 10X PCR buffer
AmpliTaQ DNA POLYMERASE,LD,with GeneAmp 10X PCR buffer II and MgCl₂ solution

CAS no. : N.A.
EC index no. : N.A. **NFPA code** : 1-0-0(*)
EINECS no. : N.A. **Molecular weight** : N.A.
RTECS no. : N.A. **Formula** : N.A.

1.2 Company/undertaking identification:

Applied Biosystems Pty Ltd
52 Rocco Drive
Scoresby Vic
Australia 3179

Tel: 03 9730 8600 Fax: 03 9730 8798

1.3 Telephone number for emergency:

0011 1 703 527 3887
(Can be a Reverse Charge Call by Calling 12550 from Australia)
CHEMTREC (24 Hr Emergency Response Service Provider)
1300 Wilson Blvd.
Arlington, VA 22209
USA

2. Composition/information on ingredients

Hazardous ingredients	CAS no.	Conc. in %	Hazard class.	Risks (R-phrases)
Glycerine	56-81-5	< 60	-	-
EDTA	60-00-4	< 1	Xi	36-52/53
Potassium chloride	7447-40-7	0-5	-	-
TRIS, hydrochloride	1185-53-1	0-5	Xi	36/37/38
Magnesium chloride	7786-30-3	< 0.2	Xi	36/37/38
Water and other low-hazard constituents (< 1%)	-	balance	-	-

3. Hazards identification

- No hazard classification

4. First aid measures

4.1 Eye contact:

- Rinse immediately with plenty of water for 15 minutes
- Consult a doctor/medical service if irritation persists

4.2 Skin contact:

- Wash immediately with lots of water and soap for 15 minutes
- Consult a doctor/medical service if irritation persists

4.3 After inhalation:

- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration
- Consult a doctor/medical service if breathing problems develop

4.4 After ingestion:

- Immediately give lots of water to drink
- Never give water to an unconscious person
- Do not allow vomiting
- Consult a doctor/medical service if you feel unwell

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MAK	:		mg/m ³		ppm
MAC-TGG 8h	:	10 mist	mg/m ³		
MAC-TGG 15 min.	:		mg/m ³		
VME-8h	:	10 aerosol	mg/m ³	-	ppm
VLE-15 min.	:	-	mg/m ³	-	ppm
GWBB-8h	:	10 mist	mg/m ³	-	ppm
GWK-15 min.	:	-	mg/m ³	-	ppm

8.3 Personal protection:

eye protection:

- Safety glasses

hand protection:

- Gloves

skin protection:

- Protective clothing

materials for protective clothing:

- Natural rubber
- Neoprene
- Nitrile rubber

respiratory protection:

- On heating: gas mask

9.1 Appearance (at 20°C) : Liquid

9.2 Odour : N.D.

9.3 Colour : Colourless

9.4 pH value : 6/8

9.5 Boiling point/boiling range : 100 °C

9.6 Melting point/melting range : 0 °C

9.7 Flashpoint Flashpoint n (°C) T4 Tc 0 Tw (Flashpoint) Tj 60 07 0.15 Tc 0 olin9.4

Flashpoint

9.7

:respirator

9.3 Colour

:

9.7 Fla T8 148.5 0 TD 0.15 Tc 0 Tw (:) Tj 6 0 TD 0 Tc14Tc 0.15 Tw (n,t)4w (

-30 Tw (:) Tj 10.5 0 TD 0.15 Tc 0

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11. Toxicological information

11.1 Acute toxicity:

For glycerine:

LD50 oral rat	: 12600	mg/kg
LD50 dermal rat	: N.D.	mg/kg
LD50 dermal rabbit	: > 10000	mg/kg
LC50 inhalation rat	: N.D.	mg/l/4 h

11.2 Chronic toxicity:

EC carc. cat. : not listed
EC muta. cat. : not listed
EC repr. cat. : not listed

Carcinogenicity (TLV): not listed
Carcinogenicity (MAC): not listed
Carcinogenicity (VME): not listed
Carcinogenicity (MEL): not listed

Carcinogenicity (MAK): not listed
Mutagenicity (MAK) : not listed
Teratogenicity (MAK) : not listed

IARC classification : not listed

Obligatory medical control (ARAB-RGPT-Belgium Art. 124):
group: I number: 20.1
I 23.1

11.3 Routes of exposure: ingestion, inhalation, eyes and skin

11.4 Acute effects/symptoms:

AFTER INHALATION
- Slight irritation

ON HEATING:
- Irritation of the respiratory tract

AFTER INGESTION
AFTER ABSORPTION OF HIGH QUANTITIES:
- Irritation of the gastric/intestinal mucosa
- Nausea
- Vomiting
- Diarrhoea

AFTER SKIN CONTACT
- Slight irritation

ON HEATING:
- Tingling/irritation of the skin

AFTER EYE CONTACT
- Slight irritation

ON HEATING:
- Irritation of the eye tissue

11.5 Chronic effects:

- No data available

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12. Ecological information

12.1 Mobility:

- Volatile organic compounds (VOC): N.A.
- Soluble in water

12.2 Biodegradation:

- soil: T $\frac{1}{2}$: N.D. days
BOD₅ : N.D. g O₂/g substance
COD : N.D. g O₂/g substance
- water: - No data available

- #### 12.3 Bioaccumulation:
- log P_{ow} : N.D.
 - BCF : N.D.

12.4 Aquatic toxicity:

For glycerine:

- LC50 (96 h) : 54000 mg/l (SALMO GAIRDNERI/ONCORHYNCHUS MYKISS)
- LC50 (96 h) : >1000 mg/l ()

12.5 Other information:

- WGK: 1 (004)
- Effect on the ozone layer : N.D.
- Waste water purification : N.D.

13. Waste disposal considerations

13.1 Provisions relating to waste:

- EWC code (75/442/EC): 16 05 03
- Waste material code (Flanders): 691
- Waste code (Germany): 59302

13.2 Disposal methods:

- Dehydrate
- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber

14. Transport information

14.1 Proper shipping name: N.A.

14.2 Transport by road/rail (ADR/RID): N.A.

- Danger code: -
- Danger labels on tanks : -
- Danger labels on packages : -

14.3 Substance identification number (UN number): N.A.

Packing: -

14.4 Maritime transport (IMDG code): N.A.

- EMS : -
- MFAG : -
- Marine pollutant : -

14.5 Inland navigation (ADNR): N.A.

14.6 Air freight (ICAO) : N.A.

- Instruction "passenger" : -
- Instruction "cargo" : -

14.7 Other information: not restricted for any mode of international transport

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NOT REQUIRED ACCORDING TO AVAILABLE INFORMATION

The information provided on this MSDS is correct to the best of our knowledge, information