

Bioland Scientific LLC

Material Safety Data Sheet

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name DNA Polymerase I Large (Klenow) Fragment

Product Number E013
Brand Bioland Scientific LLC

Company Bioland Scientific LLC
14925 Paramount Blvd., Suite C
Paramount, CA 90723
USA

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	EINECS-No	Weight %
Glycerol 56-81-5 (30-60)	56-81-5	200-589-5	30-60

The product contains no substances which at their given concentration, are considered to be hazardous to health.

3. HAZARDS IDENTIFICATION

Not a dangerous substance or mixture according to the Globally Harmonized System(GHS)

4. FIRST AID MEASURES

Eye contact

Irrigate thoroughly with water for at least 10 minutes. Seek medical advice.

Skin contact

Wash skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention

Inhalation

Remove from exposure, rest and keep warm. In severe cases, seek medical advice..

Ingestion

Wash out mouth thoroughly with water and give plenty of water to drink. Seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray. Carbon dioxide (CO₂). Foam. Dry Chemical.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing. Inform others to keep a safe distance. Spread soda ash liberally over spillage. If local regulations permit, mop up cautiously with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with water.

7. HANDLING AND STORAGE

Handling

personal protective equipment as required. No special handling advices are necessary

Storage

Keep container closed and protected from direct sunlight and moisture. Keep in a dry, cool and well-ventilated place. Store away from combustible materials.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

As appropriate to quantity handled.

Respirator	Dust respirator.
Ventilation	Extraction hood.
Gloves	Rubber or plastic.
Eye protection	Goggles or face shield

8. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Colourless
Odour	No data available
Melting point	No data available.
Boiling temperature	No data available.
Density	No data available.
Vapour pressure	No data available.
Solubility in water	Very soluble.
Flash point	No data available.
Explosion limits	No data available.
Ignition temperature	No data available.

10.STABILITY AND REACTIVITY

Stable unless heated.

Slow reaction at ambient temperature unless water contains dissolved carbon dioxide. Decomposes violently with bromine or chromyl chloride.

Contact with acids liberates highly toxic gas: forms readily detonatable salts with many metals, particularly heavy metals.

11.TOXICOLOGICAL INFORMATION

After ingestion, irritation of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

Systemic effect	Conclusive but not sufficient for classification
Toxic effects	Conclusive but not sufficient for classification

12.ECOLOGICAL INFORMATION

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

Biological effects
Inherently biodegradable

13.DISPOSAL CONSIDERATIONS

Chemical residues are generally classified as special waste, and as such covered by regulations which vary according to location.
Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before disposal.

14.TRANSPORTATION INFORMATION

UN-No.	N/A
ADR/RID	Not classified as dangerous in meaning of transport regulations
IMDG class	Not classified as dangerous in meaning of transport regulations
IATA	Not classified as dangerous in meaning of transport regulations
Packaging group	N/A

15.REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR. This product is also not regulated by SARA and does not contain HAPs.

16.OTHER INFORMATION

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