



Institut für Angewandte Laboranalysen

MATERIAL SAFETY DATA SHEET

According to EC directive 2001/58/EC

Simplex® Easy DNA Kit
REF: Q001
Processing: Jan 2020

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

Product information

Commercial Product Name:	Simplex® Easy DNA Kit
REF:	Q001
Intended use:	Laboratory use
Company:	GEN-IAL GmbH Heuserweg 13-15 D-53842 Troisdorf Tel.: +49 2241 2522980 Fax: +49 2241 2522989

In case of emergencies:	GEN-IAL GmbH: +49 2241 2522980
Centre for detoxification:	Bonn: +49 228 2873211

2. COMPOSITION/INFORMATION OF INGREDIENTS

Typical composition

Bottles: 1
The product contains Triton X-100 1%:
CAS-no.: 9002-93-1
Hazard classification: R22-36
in an aqueous salt solution, not considered to be hazardous

3. HAZARDS IDENTIFICATION

Risk advice to man and the environment

Man: The product is considered to be hazardous by eye contact, ingestion and inhalation. Slightly hazardous in case of skin contact (irritant).

Environment: Class 1

4. FIRST AID MEASURES

Skin contact:	Wash skin with water thoroughly.
Eye contact:	Promptly wash eyes with water for at least 15 minutes, seek medical advice
Inhalation:	Move into fresh air. If irritation persists: Seek medical advice.
Ingestion:	Seek medical advice.
Notes to physician:	Symptomatic treatment by a physician.



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5. FIRE-FIGHTING MEASURES

Extinguishing media: Small fire use DRY chemical powder
Decomposition: Dangerous decomposition is not anticipated.

6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Dilute spilled liquids with plenty of water and adsorb.
Bonding agent: No restriction.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, mouth, eyes and inhalation
Storage: Store at room temperature
Do not store together with: No restriction.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.
Eye protection: Safety glasses
Hand protection: Protective gloves
Hygiene measures: Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Bottle

Form: Liquid, clear viscous
Miscibility with water: Completely miscible
pH: Not determined
Boiling point: 270 °C (518 °F)
Melting point: 6 °C (42.8 °F)
Vapour pressure: <0.1 kPa @20 °C

10. STABILITY AND REACTIVITY

Hazardous reactions: None under normal use
Hazardous decomposition products: No data available.
Stability: Stable
Conditions to avoid: Excess heat, light, air moisture, incompatible materials (reactive with oxidizing agents, reducing agents)
Corrosivity: Not considered to be corrosive for metal and glass

11. TOXICOLOGICAL INFORMATION

Toxicity to animals: Acute oral toxicity (LD50): 1800 mg/kg (rat)
Chronic effects on human: Mutagenic effects for somatic cells



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12. ECOLOGICAL INFORMATION

Mobility:	Water soluble. Will spread in water systems
Degradability:	The products of deagradation are less toxic than the product itself
Ecotoxicity:	Not available

13. DISPOSAL CONSIDERATIONS

Dispose of spillage and waste according to agreement with governmental and local authorities.

14. TRANSPORT INFORMATION

Is not subject to current regulations for transportation of dangerous goods (ADR/RID, IMDG, IATA, ICAO)

15. REGULATORY INFORMATION

Labelling according to EC Directives

Note: This product has not to be labeled in accordance with EC directive 88/379)

1. EEC Directives 67/548/EEC on dangerous substances (up to and inclusive of the 21st adaptation) and 88/379/EEC on dangerous preparations.
2. Threshold Limit Values (1995-1996), ACGIH, by the American Conference of Governmental Industrial Hygienists.

16. OTHER INFORMATION

Further information

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

This product is not classified as a carcinogen according to the National Toxicology Program (NTP), 1994.

The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

