

MATERIAL SAFETY DATA SHEET



Product name: DNAreleasy Advance kit
Last revised date: 24 April 2023

Print date:24.04.23
Page 1/3

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

Product name: DNAreleasy Advance kit

Product number: LS05, LS06

Application: DNA-extraction

Supplier: Nippon Genetics Europe GmbH
Mariaweilerstraße 28-30
D-52349 Düren
Tel.: +49 2421 55496 0

Emergency phone no.:
+49 2421 55496-0

2. COMPOSITION / INFORMATION ON INGREDIENTS

The product contains:	<u>Chemical name:</u>	<u>CAS-no.:</u>	<u>Hazard classification</u>
1x vial 1,5ml (50rxn) or 1x 1 vial 0,3ml (10rxn):	Triton X-100 0.8%	9002-93-1	R22-36
in an aqueous salt solution, not considered to be hazardous			

3. HAZARDS IDENTIFICATION

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

Inhalation: Move into fresh air. If irritation persists: Seek medical attention and bring along these instructions.

Skin contact: Wash skin with soap and water. If irritation persists: Seek medical attention and bring along these instructions.

Eye contact: Flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. Immediately get medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Avoid vomiting. Seek medical attention and bring along these instructions.

5. FIRE-FIGHTING MEASURES

Extinguishing media: small fire use DRY chemical powder.
large fire use water spray, fog or foam. Do not use water jet.

Specific hazards: not available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: The usual precautions taken when handling chemicals should be observed.

Environmental precautions: Do not allow material to enter drains or water courses

Methods for cleaning up: Sweep up any spillage with dry paper and put it in an appropriate waste disposal. Then clean place with water.

MATERIAL SAFETY DATA SHEET



Product name: DNAreleasy Advance kit
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Page 2/3

7. HANDLING AND STORAGE

Safe handling advice: Observe good laboratory hygiene practices. Avoid contact with skin, mouth and eyes and inhalation.

Technical precautions: None specific.

Technical measures: Not relevant.

Technical measures for safe storage: No special precautions.

Storage conditions: Store at room temperature tightly closed in a well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Not relevant.

Personal protection: splash goggles, lab coat, gloves, vapor respirator

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear viscuos liquid
Odour: none
color: clear colorless to light yellow
pH: Not determined
Boiling point: 270°C (518°F)
Melting point: 6°C (42.8°F)
Flash point: Not determined
Explosive properties: Not determined
Vapour pressure: <0.1 kPa @20°C
Relative density: Not determined
Solubility: water soluble

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions/materials 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

Hazardous decomposition products: None known.

11. TOXICOLOGICAL INFORMATION

Toxicity to animals: Acute oral toxicity (LD50): 1800mg/kg [rat]

Chronic effects on human: Mutagenic effects for somatic cells.

12. ECOLOGICAL INFORMATION

Mobility: Water soluble. Will spread in water systems

Degradability: The products of degradation are less toxic than the product itself

Ecotoxicity: Not available

MATERIAL SAFETY DATA SHEET



Product name: DNAreleasy Advance kit
Last revised date: 24 April 2023

Print date:24.04.23
Page 3/3

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID A).

15. REGULATORY INFORMATION

Labelling: The product is not to be classified according to current EEC-legislation (Directive 88/379/EEC). (Does not contain dangerous goods in relevant amounts)

Specific provisions: National specific rules may apply.

This Safety Data Sheet is prepared according to the EU-regulation. The information meets the requirements in the current ISO and ANSI standards on Safety Data Sheets.

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

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.