# DNAreleasy Advance

| Cat. No. | Product | Content |
|---|---|---|
| LS06 | DNAreleasy Advance | 1x 1.5 mL (50 rxn) |

## 1. Identity of the substance and the manufacturer

### 1.1. Name of the substances or preparations
DNAreleasy Advance

### 1.2. Recommended use of the chemical and restrictions on use
Laboratory research use only.

### 1.3. Name and address of the manufacturer
NIPPON Genetics EUROPE GmbH
Mariaweilerstraße 28 a
52349 Düren
Germany

### 1.4. Emergency telephone contact
+49 2421/554960

## 2. Hazards identification

### 2.1. Human health hazards
The product is considered to be hazardous by eye contact, ingestion and inhala-tion. Slightly hazardous in case of skin contact (irritant).

### 2.1. Environmental hazards
Class 1.

# 3. Composition/information about the components

## 3.1. Ingredients

| Chemical | Concentration | EC No. | CAS No. | Hazard classification |
|---|---|---|---|---|
| Triton X-100 | <1% | 618-344-0 | 9002-93-1 | R22-36 |

*in an aqueous salt solution, not considered to be hazardous*

# 4. First-aid measures

## 4.1. Description of necessary first-aid measures

### 4.1.1. Inhalation

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

### 4.1.2. Skin contact

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

### 4.2.3. 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 in-structions.

### 4.2.4. Ingestion

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

# 5. In case of fire

## 5.1. Suitable extinguishing agents

Small fire: use DRY chemical powder.
Large fire: use water spray, fog or foam. Do not use water jet.

## 5.2. Specific hazards

Not available

# 6. In case of spillage

## 6.1. Personal precautions, protective equipment and emergency procedures

The usual precautions taken when handling chemicals should be observed.

## 6.2. Environmental precautions

Do not allow material to enter drains or water courses.

## 6.3. Methods and meterials for containment and cleanup

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

# 7. Handling and storage

## 7.1. Safe handling

Observe good laboratory hygiene practices. Avoid contact with skin, mouth and eyes and inhalation.

## 7.2. Technical precautions

None specific.

### 7.3. Technical measures
Not relevant.

### 7.4. Technical measures for safe storage
No special precautions.

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

## 8. Exposure controls/personal protection

### 8.1. Engineering measures
Not relevant.

### 8.2 Personal protection
- Splash goggles
- Lab coat
- Gloves
- Vapor respirator

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | Clear viscuos liquid |
| **Colour** | Clear colorless to light yellow |
| **Odour** | Odourless |
| **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

## 10.1. Chemical stability
Stable.

## 10.2. Conditions/materials to avoid
Excess heat, light, air, moisture, incompatible materials (reactive with oxidizing agents, reducing agents).

## 10.3. Corrosivity
Not considered to be corrosive for metal and glass.

## 10.4. Hazardous decomposition products
No dangerous decomposition products known.

# 11. Toxicological information

## 11.1. Information on toxicological effects

### 11.1.1. Acute toxicity

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

### 11.1.2. Mutagenic effects

#### 11.1.2.1. Chronic effects on humans
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. |

## 13. Disposal considerations

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

## 14. Transport information

### 14.1. IMDG/IMO

The product is not covered by international regulation on the transport of dangerous goods.

### 14.2. RID

The product is not covered by international regulation on the transport of dangerous goods.

### 14.3. ARD

The product is not covered by international regulation on the transport of dangerous goods.

### 14.4. ICAO/IATA

The product is not covered by international regulation on the transport of dangerous goods.

## 15. Regulatory information

### 15.1. 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.)

### 15.2. Specific provisions

National specific rules may apply.

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

## 16. Other information

This information is based on our present knowledge. Its objective is to describe the product from the point of view of safety, and no warranty is made other than its characteristics. This information does not absolve the user in any circumstances from observing other Legislative, Regulatory and Administrative requirements applying to the product, and to safety, hygiene and the well-being of the people in the workplace.

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Managing Director: Dr. Jürgen Lünzer, Tatsuji Hata, Kazuo Yamazaki
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