

Material Safety Datasheet

according to Regulation (EC) No.1907/2006

Revision Date: 01.09.2010

Print Date: 10/5/2017

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA



Prepared in accordance with EU directive 91/155/EEC

1 Identification of the substance/preparation and of the company/undertaking

Product details

· **Trade name:** DNA ladder / DNA Marker; no dye

Product codes: 300001, 300002, 300009, 300010, 308-025, 306-005, 306-025, 305-025, 305-105

· **Application of the substance / the preparation:** Laboratory chemicals

· **Manufacturer/Supplier:**

GeneON GmbH

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Paracelsusstrasse 10

D-67071 Ludwigshafen

2 Composition/information on ingredients

Hazardous/Non-hazardous Components

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

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive

1999/45/EC.

CAS: 56-81-5, EINECS: 200-289-5	Glycerol	50 %
CAS: 7732-18-5, EINECS: 231-791-2	Water	25-50 %
CAS: 139-33-3, EINECS: 205-358-3	disodium dihydrogenethylenediaminetetraacetate	0.02 %

3 Hazards identification

Hazard description	Not applicable.
Information concerning particular hazards for human and environment	Not applicable.
Classification system	The classification is according to the latest editions of the EU-lists.

4 First aid measures

Inhalation	Move to fresh air. If breathing becomes difficult, call a physician.
Ingestion	Do not induce vomiting without medical advice. Never give

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	anything by mouth to an unconscious person.
Skin contact	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
Eye contact	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
Notes to physician	Treat symptomatically.
5 Fire-fighting measures	
Suitable extinguishing media	Dry chemical, CO ₂ , water spray or alcohol resistant foam.
Fire/Explosion hazards	Not applicable
Protective equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
6 Accidental release measures	
Personal precautions	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
7 Handling and storage	
Handling	No special measures are required for safe handling of this product.
Storage	No special precautions required. Store at -20°C.
8 Exposure controls/personal protection	
Engineering measures Personal protective equipment	Not required, see section 7.
Respiratory protection	Not required.
Hand protection	Protective gloves.
Eye protection	Protective goggles.
Skin and body protection	Appropriate protective clothing.
Hygiene measures	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling.
9 Physical and chemical properties	
Form	Solution
Color	Clear

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Odour	Not defined
Ph value	~ 8.0
Boiling point	Undetermined
Melting point	Undetermined
Flash point	Not applicable.
Autoflammability	Not applicable.
Explosion hazard	Not applicable.
Vapour pressure	No information available.
Relative density	No information available.
Relative density	No information available.
Water solubility	Easily soluble.

10 Stability and reactivity

Conditions to avoid	None, if used according to specifications.
Materials to avoid	Strong oxidizing agents, acids and alkali.
Hazardous decomposition products	No dangerous decomposition products known.

11 Toxicological information

Routes of exposure:	
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract.
Skin contact	May cause skin irritation.
Eye contact	May cause eye irritation.
Sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
Additional toxicological information	When used and handled according to specifications, the product does not have any harmful effects to our experience.

12 Ecological information

Mobility	No data available.
Degradability	Inherently biodegradable.
Accumulation	Does not bioaccumulate.
Ecotoxicity	This product is slightly hazardous for water Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

Land transport ADR/RID (cross-border)	
ADR/RID class	no
Air transport ICAO-TI and IATA-DGR	
ICAO/IATA class	No
Additional information	This substance is considered to be non-hazardous for

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	Transport.
<u>14 Regulatory information</u>	
Labelling according to EU guidelines	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.
<u>15 Other information</u>	
<p>This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. GeneON is not held liable for any damage resulting from handling or from contact with the above mentioned products.</p>	

This information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of properties of the product.