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

Product details • Trade name: DNA ladder	/ DNA Marker; no dye		
	300002, 300009, 300010, 3 305-105	08-025, 306-005, 306-0	025,
Application of the substa Manufacturer/Supplier:	ance / the preparation: Lab	ooratory chemicals	
GeneON GmbH www.geneon.net Tel: +49-621-5720 864 Fax: +49-621-5724 462 Paracelsusstrasse 10 D-67071 Ludwigshafen			
2 Composition/informatio	_		
Hazardous/Non-hazardous The product contains no s hazardous to health. Components not listed he specified in the EU directi 1999/45/EC.	substances which at their re are not dangerous or th	-	
CAS: 56-81-5, EINECS: 200-289-5	Glycerol	50	%
CAS: 7732-18-5,	Water	25	-50 %

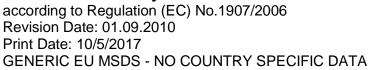
CAS: 7732-18-5, EINECS: 231-791-2	Water	25-50 %
CAS: 139-33-3, EINECS: 205-358-3	disodium dihydrogenethylenediaminetetraacetate	0.02 %

3 Hazards identification

Hazard description	Not applicable.
Information concerning particular hazards for	Not applicable.
human and environment	
Classificaton 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





	anything by mouth to an unconscious
	person.
Skin contact	Wash off immediately with plenty of soap
	and water. If
	irritation developes, 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 modia	Dry chemical CO2 water spary or clockel
Suitable extinguishing media	Dry chemical, CO2, water spary or alcohol resistant foam.
Fire/Evaluation homoreda	
Fire/Explosion hazards	Not applicable
Protective equipment	Wear self-contained breathing apparatus and
	protective
	clothing to prevent contact with skin and
	eyes.
C Assidental valence measures	
6 Accidental release measures	
Personal precautions	Use personal protective equipment. Ensure
reisonal precautions	adequate
	ventilation.
Environmental precautions	Do not allow to enter surface/ sewers or
	ground water.
	Prevent further leakage or spillage if safe to
	do so.

	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	Approriate 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

Doutoo of ovpoourou	
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.
4 Regulatory information	
Labelling according to EU guidelines	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.
5 Other information	
	knowledge and shall be used only as a guide.

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.