



CareDx Pty Ltd

MSDS: General Purpose Reagents

SAFETY DATA SHEET

This SDS is applicable to the general purpose laboratory reagents provided manufactured by CareDx Pty Ltd.

Prepared according to Regulation (EU) No. 1907 (2006)

Version: 1.0

Effective Date: 29th September 2017

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product Name: **2mM MgCl₂**

Product Code: MgCl₂ – 1.0(50), MgCl₂ – 1.0(3000)

Intended use (EU): General purpose reagent (MgCl₂) that may be used for the purification of PCR products generated from the use of any OLERUP SBT™ HLA typing kit.

Product Name: **5x Seq Rxn Buffer**

Product Codes: SEQ BUF – 2.0(400), SEQ BUF – 2.0(5000)

Intended use (EU): General purpose reagent (Sequencing reaction buffer) that may be used for DNA sequencing extension reactions for any OLERUP SBT™ HLA typing kit.

Product Name: **125mM EDTA, pH8.0**

Product Codes: EDTA – 3.0(200), EDTA – 3.0(5000)

Intended use (EU): General purpose reagent (EDTA) that may be used for the purification of DNA sequencing extension products generated from the use of any OLERUP SBT™ HLA typing kit.

COMPANY/UNDERTAKING IDENTIFICATION

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2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

None of the substances or preparations contained in these kits is deemed to be hazardous according to EC Directive 67/548/EEC.

2.2 Label elements

None

COMPOSITION/INFORMATION ON INGREDIENTS

Product	Substance	Concentration	EC-No	CAS-No	EU classification
2mM MgCl₂	Magnesium chloride hexahydrate	2mM	232-094-6	7791-18-6	None
	Water	Not applicable	231-791-2	7732-18-5	None
5x Seq Rxn Buffer	Tris (hydroxymethyl) aminomethane	<1M	201-064-9	77-86-1	Xi, R36/37/38
	Magnesium chloride hexahydrate	<100mM	232-094-6	7791-18-6	None
	Hydrochloric acid	<1%	231-595-7	7647-01-0	C, R34 - R37
	Water	Not applicable	231-791-2	7732-18-5	None
125mM EDTA, pH8.0	EDTA disodium salt dihydrate	125 mM	205-358-3	6381-92-6	None
	Sodium Hydroxide	<1%	215-185-5	1310-73-2	C, R35, S26, S37/39, S45
	Water	Not applicable	231-791-2	7732-18-5	None

†The composition of the above kit components does not constitute a health or environmental hazard according to the European Union Directive 67/548/EEC, Commonwealth of Australia NOHSC: 1005 (1994) and 1008 (2004), and OSHA 29CFR 1910.1200.

3. FIRST AID MEASURES

Inhalation

Move affected individual(s) into fresh air.

Skin contact

Wash affected area(s) with soap and plenty of water.

Eye contact

Flush eye(s) with plenty of water, including under the eyelids.



CareDx Pty Ltd

MSDS: General Purpose Reagents

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water.

In all instances, if symptoms persist consult a physician.

4. FIRE-FIGHTING MEASURES

Suitable extinguishing agents:

Dry chemical, CO₂, water spray or regular foam.

Protective equipment:

For large fires, wear appropriate heat and flame resistant personal protective equipment and an approved self contained breathing apparatus.

5. ACCIDENTAL RELEASE MEASURES

Safe work practices:

If material is spilled, minimize exposure by using appropriate personal protective equipment as described in "Exposure Controls/Personal Protection". Wherever possible, stop the spill from spreading further.

Environmental measures:

Prevent liquid from entering drains.

Cleaning measures:

Soak up with inert absorbent material.

Wash spill area with appropriate cleaning materials.

Dispose of spilled and contaminated material in accordance with appropriate national, state and local regulations.

6. HANDLING AND STORAGE

Handling

Store in original packaging, ensuring that the vials are tightly sealed.

Storage

Refer to packaging.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance with known occupational exposure limits: 1310-73-2 Sodium Hydroxide and 7647-01-0 hydrochloric acid.

However, the concentrations of these substances are well below their exposure limits.

General protective and hygienic measures:

Always maintain good housekeeping practices.

Ensure that food and beverages are not consumed in the immediate vicinity where these compounds are used.

Ensure hands are washed before and after handling kit components.

Breathing equipment:

Not required if work is conducted in a well-ventilated room.

Hand protection:

The use of laboratory gloves is required at all times. This measure not only prevents accidental exposure to the kit components, but also protects the samples being examined (e.g. genomic DNA contamination from user).

Eye protection:

The use of safety glasses is recommended.

Body protection:

The use of a laboratory coat or appropriate protective clothing is strongly recommended.

8. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid
Colour:	colourless
Odour:	odourless
Boiling point:	no data available
Melting point:	no data available
Density:	no data available
Auto-ignition:	products are NOT known to auto-ignite
Danger of explosion:	products are NOT known to be explosive
Solubility/miscibility with water:	fully soluble and miscible with water

9. STABILITY AND REACTIVITY

Storage stability:	Kit components are stable under recommended storage conditions. Please refer to packaging.
Materials to avoid:	No known dangerous conditions to avoid when used according to specifications.
Hazardous decomposition products:	Not known.

10. TOXICOLOGICAL INFORMATION

Primary toxicological effects of the final products:

Acute toxicity:	No data available
Irritation and corrosion:	No irritant and corrosive effects.
Eye irritation:	No irritation effect
Sensitisation:	No sensitising effects are known.

11. ECOLOGICAL INFORMATION

Ecological effects of the final products:

Elimination information (persistence and degradability):	No data available
Ecotoxicity effects:	No data available
Further information on ecology:	No data available.

12. DISPOSAL CONSIDERATIONS



CareDx Pty Ltd

MSDS: General Purpose Reagents

No specific disposal considerations are required. Dispose according to national, state and local regulations.

13. TRANSPORT INFORMATION

Products are transported by air with dry ice or frozen gel packs according IATA regulations.

14. REGULATORY INFORMATION

EU

The product does not require any hazard warnings according to European Community (EC) Directives.

US

SARA 313

These products are not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

These products do not contain any HAPs.

California Proposition 65

These products do not contain any chemicals listed under Proposition 65

15. OTHER INFORMATION

The information provided in this SDS is based on our present knowledge and is believed to be correct at the time of publication. CareDx Pty Ltd recommends that all kit components should be handled with caution in the event of unknown hazards.

The information provided here does not constitute a guarantee for any specific product, since CareDx Pty Ltd cannot control the conditions of use undertaken by the end user.

For further guidance contact:

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or your local distributor.

16. CHANGES TO FORMER ISSUED VERSION OF THIS SDS.

Version 1.0: Drafted from version 4.0 of SDS for products under previous manufacturer name.

END