

Material Safety Data Sheet

In accordance with 1907/2006/EG, article 31

DiaMex

Optiplex HPV Genotyping Test - Conjugate

Version: 3

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Date: 2016-11-08

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product information

Trade name: CON 10x (Conjugate)

Article number: HPVCON1

1.2 Relevant identified uses of the substance or mixture and uses advised against

In Vitro Diagnostic Use

1.3 Details of the supplier of the safety data sheet

Company

DiaMex GmbH

Siemensstrasse 38

69123 Heidelberg

Germany

Tel.: +49(0)6221-894669-40

Fax: +49(0)6221-894669-90

E-Mail: info@diamex.com

1.4 Emergency telephone number:

Tel.: +49(0)6221-894669-40

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

H302 Harmful if swallowed (Acute Tox. 4)

H315 Causes skin irritation (Skin Irrit. 2)

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



Signal word: Warning

Hazard-determining components of labelling

Tetramethylammoniumchlorid

Hazard statements

H302 Harmful if swallowed (Acute Tox. 4)

H315 Causes skin irritation (Skin Irrit. 2)

Precautionary statements

P101 If medical advice is needed, have product container or label at hand

P260 Do not breathe dust/fume/gas/mist/vapours/spray

P280 Wear protective gloves/protective clothing.

P281 Use personal protective equipment as required

P314 Get medical advice/attention if you feel unwell

P501 Dispose of contents/container in accordance with local and national regulations.

2.3 Other hazards

The usual precautions when handling biological material or chemicals must be taken

3. Composition/information on ingredients

3.2 Mixtures

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Chemical characterization

Mixture

Additional information

For wording of the listed hazard statements, refer to section 16.

Dangerous components:

CAS: 75-57-0 EINECS: 200-880-8	Tetramethylammonium chloride	Acute Tox. 3, H301; Skin Irrit. 2, H315	10-25%
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4. First aid measures

4.1 Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation	<i>In case of unconsciousness place patient stably in side position for transportation.</i>
After skin contact	<i>Immediately wash with water and soap and rinse thoroughly</i>
After eye contact	<i>Rinse opened eye for several minutes under running water.</i>
After swallowing	<i>Call for a doctor immediately.</i>

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder, water jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.

5.3 Advice for firefighters

Protective equipment

Respiratory protection is normally not required.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

Information on safe handling: Section 7.

Information on personal protection equipment: Section 8

Information on disposal: Section 13.

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7. Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

See label or package insert.

Do not store together with

No restriction.

7.3 Specific end use(s)

No relevant information available.

8. Exposure controls/personal protection

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection:

Gloves protect the user against splashes. For safety reasons, they should be changed immediately after wetting. This product is a preparation consisting of several substances. No specific information can be given regarding permeation breakthrough time. The choice of suitable gloves depends not only on the material, but also on other quality features and must be confirmed with the respective manufacturer. Per our knowledge, disposable gloves, e.g. made of nitriles, are suitable. This recommendation is not intended to replace a suitability test, which is essential and must be performed under the respective conditions of use.

Eye protection: Goggles recommended during refilling.

Body protection: Protective work clothing

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- **Appearance:**

Form: Fluid

Color: According to product specification

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value at 20°C (68°F):** 7,4

- **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: Not determined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:**

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Decomposition temperature:		<i>Not determined.</i>
• Auto igniting:		<i>Product is not selfigniting.</i>
• Danger of explosion :		<i>Product does not present an explosion hazard.</i>
• Explosion limits:		
Lower:		<i>Not determined.</i>
Upper:		<i>Not determined.</i>
• Vapor pressure:		<i>Not determined.</i>
• Density:		<i>Not determined.</i>
• Relative density		<i>Not determined.</i>
• Vapor density		<i>Not determined.</i>
• Evaporation rate		<i>Not determined.</i>
• Solubility in / Miscibility with water:		<i>Not miscible or difficult to mix.</i>
• Partition coefficient (n-octanol/water):		<i>Not determined.</i>
• Viscosity:		
Dynamic:		<i>Not determined.</i>
Kinematic:		<i>Not determined.</i>
• Solvent content:		
Organic solvents:		<i>0,0 %</i>
9.2 Other information		
No relevant information available.		
10. Stability and reactivity		
10.1 Reactivity		
No relevant information available.		
10.2 Chemical stability:		
No decomposition if used and stored according to specifications.		
10.3 Possibility of hazardous reactions		
None known when used appropriately.		
10.4 Conditions to avoid		
No relevant information available.		
10.5 Incompatible materials		
No relevant information available.		
10.6 Hazardous decomposition products		
No dangerous decomposition products known.		
11. Toxicological information		
11.1 Information on toxicological effects		
Acute toxicity:		
Primary irritant effect:		
on the skin: <i>Irritant to skin and mucous membranes.</i>		
on the eye: <i>No irritant effect.</i>		
Sensitization: <i>No sensitizing effects known.</i>		
12. Ecological information		
12.1 Toxicity		
No relevant information available.		
12.2 Persistence and degradability		
No relevant information available.		

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12.3 Bioaccumulative potential

No relevant information available.

12.4 Mobility in soil

General notes

Water hazard class 1 (German Regulation): Slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6 Other adverse effects

No relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

Waste disposal

Dispose of waste in accordance to applicable local or national regulations.

14. Transport information

UN-Number

ADR, IMDG, IATA

UN3287

UN proper shipping name

ADR

3287 TOXIC LIQUID, INORGANIC, N.O.S.
(tetramethylammonium chloride)

IMDG, IATA

TOXIC LIQUID, INORGANIC, N.O.S.
(tetramethylammonium chloride)

Transport hazard class(es)

ADR

Class

6.1 (T4) Toxic substances

Label

6.1

IMDG, IATA

Class

6.1 Toxic substances.

Label

6.1

Packaging group

ADR, IMDG, IATA

II

Environmental hazards:

Marine pollutant:

No

Special precautions for user

Warning: Toxic substances

Danger code (Kemler):

60

EMS-Number:

F-A,S-A

Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code

Not applicable.

Transport/Additional information:

ADR

Tunnel restriction code

D/E

UN "Model Regulation":

UN3287, TOXIC LIQUID, INORGANIC, N.O. S
(tetramethylammonium chloride), 6.1, II

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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National regulations

Water hazard class 1 (German Regulation): Slightly hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

Relevant risk phrases

H302 Harmful if swallowed.

H315 Causes skin irritation

Comment: The statements apply for the pure chemicals.

Further Information

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed.

Abbreviations and acronyms:

RID: *Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

ICAO: *International Civil Aviation Organization*

ADR: *Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

IMDG: *International Maritime Code for Dangerous Goods*

IATA: *International Air Transport Association*

GHS: *Globally Harmonized System of Classification and Labelling of Chemicals*

GefStoffV: *Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)*