

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

14077-28 DPD Free Chlorine Reagent

Print date: 11/16/2010

Product code: 1407728

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

Identification of the substance or preparation

14077-28 DPD Free Chlorine Reagent

Use of the substance/preparation

Water analysis

Company/undertaking identification

Company name: HACH LANGE GmbH
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Unit 1, Chestnut Road Western Industrial Estate
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2. Hazards identification

Classification

This preparation is not classified as dangerous according to Directive 1999/45/EC.

The product does not need to be labelled in accordance with EC directives or respective national laws.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
-	-	Carboxylate salt (confidential)	55-60 %	
231-448-7	7558-79-4	di-Sodium hydrogen phosphate	30-40 %	
439-010-9	6381-92-6	DPD (N,N Diethylphenylendiamine-compound)	1-5 %	Xn, Xi R22-36-52-53
205-358-3	6381-92-6	Ethylenedinitrilotetraacetic acid disodium salt dihydrate	1-10 %	Xn, Xi R22-36/37/38

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information

Take off all contaminated clothing immediately.

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After inhalation

Move to fresh air.

After contact with skin

Wash off immediately with plenty of water.

After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion

Clean mouth with water and drink afterwards plenty of water.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Fire may liberate hazardous vapours.

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Use mechanical handling equipment.

7. Handling and storage

Handling

Advice on safe handling

Use only in well-ventilated areas.
Do not breathe vapours/dust.

Storage

Requirements for storage rooms and vessels

Keep at temperatures between 10 and 25 °C.

8. Exposure controls/personal protection

Exposure limit values

Exposure controls

Protective and hygiene measures

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Wash hands before breaks and after work.

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Hand protection

Use barrier skin cream.

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. In full contact: Gloves material: Viton, Layer thickness: 0.70 mm, Breakthrough time: >480 min. In splash contact: Glove material: nitrile rubber, Layer thickness 0,20 mm, Breakthrough time: > 30 min

Eye protection

Safety glasses with side-shields

Skin protection

Remove and wash contaminated clothing before re-use.

9. Physical and chemical properties

General information

Physical state: powder
Colour: white
Odour: odourless

Important health, safety and environmental information

	Test method
pH-Value (at 20 °C):	6,35 (1 % solution)
Changes in the physical state	
Melting point:	110 °C
Decomposition temperature:	110 °C
Flash point:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Density (at 20 °C):	1,76 g/cm ³
Water solubility: (at 20 °C)	completely soluble

10. Stability and reactivity

Conditions to avoid

No dangerous reaction known under conditions of normal use.

Materials to avoid

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

No decomposition if stored and applied as directed.

11. Toxicological information

Acute toxicity

No data is available on the product itself.

Specific effects in experiment on an animal

No data is available on the product itself.

12. Ecological information

Ecotoxicity

No data is available on the product itself.

Do not flush into surface water or sanitary sewer system.

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13. Disposal considerations

Advice on disposal

In accordance with local and national regulations.

Waste disposal number of waste from residues/unused products

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of used product

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

Waste disposal number of contaminated packaging

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
Classified as hazardous waste.

14. Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

Not subject to transport regulations.

Inland waterways transport

Other applicable information (inland waterways transport)

Not tested

Marine transport

Other applicable information (marine transport)

Not subject to transport regulations.

Air transport

Other applicable information (air transport)

Not subject to transport regulations.

15. Regulatory information

Labelling

Additional advice on labelling

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

EU regulatory information

Additional information

The product does not need to be labelled in accordance with EC directives or respective national laws.

National regulatory information

Water contaminating class (D): 2 - water contaminating

16. Other information

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Full text of R-phrases referred to under sections 2 and 3

- 22 Harmful if swallowed.
- 36 Irritating to eyes.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 52 Harmful to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)