

## Safety Data Sheet

according to Regulation (EU) No. 1907/2006

### 21056-69 DPD Total Chlorine Reagent

Print date: 11/16/2010

Product code: 2105669

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

##### Identification of the substance or preparation

21056-69 DPD Total Chlorine Reagent

##### Use of the substance/preparation

Water analysis

##### Company/undertaking identification

Company name: HACH LANGE GmbH  
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Place: D-40549 Düsseldorf  
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Unit 1, Chestnut Road Western Industrial Estate  
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Tel. +353 (0)1 4602522  
e-Mail: info@hach-lange.ie

#### 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)	40-50 %	
231-448-7	7558-79-4	di-Sodium hydrogen phosphate	20-30 %	
231-659-4	7681-11-0	Potassium iodide	20-30 %	
439-010-9	6381-92-6	DPD (N,N Diethylphenylendiamine-compound)	1-5 %	Xn, Xi R22-36-52-53

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.

##### **After inhalation**

Move to fresh air.

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#### 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.

### Storage

#### Requirements for storage rooms and vessels

Keep in a dry, cool place.

## 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.

#### Hand protection

Use barrier skin cream.

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. In full

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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)
<b>Changes in the physical state</b>	
Melting point:	145 °C
Flash point:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Density (at 20 °C):	1,76 g/cm <sup>3</sup>
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.

## 13. Disposal considerations

### Advice on disposal

In accordance with local and national regulations.

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#### 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

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

- |    |   |
|----|---|
| 22 | Harmful if swallowed.   |
| 36 | Irritating to eyes.   |
| 52 | Harmful to aquatic organisms.                                   |
| 53 | May cause long-term adverse effects in the aquatic environment. |

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