

Health & Safety data sheet

According to EC Directive 91/155/EC and following amendments

Date of issue: 20 January 2005.

1 - Identification of the product and of the company

Product name:

- DPD3 Chlorine Reagent 3.

Application:

- Determination of total chlorine in water samples.

Manufacturer identification:

Milwaukee s.r.l.
c.so Leonardo da Vinci 48/50
21013 Gallarate (VA), Italy
tel.: +39 0331 268009

Emergency Telephone n. °:

no hazardous product.

2 - Composition/information on ingredients

Aqueous solution.

3 - Hazard identification

No hazardous product as specified in Directive 67/548/EEC.

4 - First aid measures

- **After inhalation** : if inhaled remove to fresh air.
- **After skin contact** : wash off with water and soap.
- **After eye contact** : rinse out with plenty of water for at least 15 minutes. If pain persists, summon medical advice.
- **After swallowing** : wash out mouth with plenty of water, provided person is conscious. Obtain medical attention if feeling unwell.

5 - Fire-fighting measures

- **Suitable extinguishing media**
 - Water spray, foam, dry powder or carbon dioxide.
- **Special risks:**
 - Non combustible.
- **Special protective equipment for fire fighting:**
 - Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.
- **Additional information:**
 - Contain escaping vapors with water.

6 - Accidental release measures

- **Personal precautions:**
 - None
- **Environmental precautions:**
 - None

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7 - Handling and storage

- **Handling:**
 - No further requirements.
- **Storage:**
 - Keep container closed and protected from direct sunlight.
 - Store at room temperature (+15°C to +25°C).

8 - Exposure control/personal protection

- **Personal protective equipment:**
 - As appropriate to quantity handled.
- **Respiratory protection:**
 - Required when vapors/aerosols are generated.
- **Protective gloves:**
 - Rubber or plastic.
- **Eye protection:**
 - Goggles or face mask.

9 - Physical/chemical properties

- **Appearance** : colorless liquid
- **odor** : odorless
- **Solubility in water** : soluble
- **Melting point** : ~ 0 °C
- **Boiling point** : ~ 100 °C
- **pH value at 20°C** : ~ 11.0
- **density at 20°C** : ~ 1 g/cm³

10 - Stability and reactivity

- **Conditions to be avoided:**
 - Strong heating (above boiling point).
- **Hazardous decomposition products:**
 - In the event of fire: see section 5.
- **Substances to be avoided:**
 - The generally known reaction partners of water.
- **Hazardous Polymerization:**
 - Will not occur.

11 - Toxicological information

- **Acute toxicity**

Quantitative data on the toxicity of this product are not available.
- **Further toxicological information**

Hazardous properties cannot be excluded, but are relatively unlikely because of the low concentration of the dissolved substances and to the data of the components, when the product is handled appropriately.

12 - Ecological information

- **Ecotoxic effect** : quantitative data on the ecological effect of this product are not available.
- **Further ecological data** : No ecological problems are to be expected when the product is handled and used with due care and attention.

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13 - Disposal considerations

- **Waste disposal:**
 - Can be safely disposed off as an ordinary refuse.

14 - Transport information

- **Land transport**

ADR/RID	:	9, PGII
UN-N	:	3316
Name	:	CHEMICAL KIT
- **Sea transport**

IMDG	:	9/UN 3316/PGII
Name	:	CHEMICAL KIT
- **Air transport**

ICAO/IATA	:	9/UN 3316/PGII
Name	:	CHEMICAL KIT

These transport data apply to the COMPLETE KIT!

15 - Regulatory information

Labeling according to EC Directives:

Symbol: -
R-phrases: -
S-phrases: -
Contains: -

16 - Other information

- **Supersedes edition of** : / (1st edition)
- **Legend** : NA Not Applicable
ND Not Determined

The 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 the properties of the product.