

Safety Data Sheet



According to EC Directive 91/155/EEC

Date of issue: 23.04.2002 Supersedes edition of 28.03.2000

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

Identification of the product

Catalogue No.: 100595
Product name: Chlorine Cell Test (free chlorine) Method: photometric, DPD 0.05 -
7.50 mg/l Cl₂ 150 Tests Spectroquant®
Cl₂-1

Company/undertaking identification

Company: Merck KGaA * 64271 Darmstadt * Germany * Tel: +49 (0)6151/72-0
Emergency telephone No.: +49 (0)6151/72112 * Telefax: +49 (0)6151/72-7780 *

2. Composition/information on ingredients

Mixture of inorganic and organic compounds.

Hazardous ingredients:

Name according to EC Directives:

CAS-No.	EC No.	EC-Index-No.	Labelling according to EC Directives	Content:
Ethylenedinitrilotetraacetic acid				
64-02-8	200-573-9		Xn R 22-36/38-52/53	≥ 1 - < 10 %

3. Hazards identification

Attention - this preparation contains a substance which has not been fully tested so far.

The test results available so far do not permit a complete evaluation. Risks cannot be excluded if the product is handled inappropriately.

4. First aid measures

After inhalation: fresh air.
After skin contact: wash off with plenty of water. Remove contaminated clothing.
After eye contact: rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist if necessary.
After swallowing: make victim drink plenty of water, induce vomiting, call in physician if feeling unwell.

5. Fire-fighting measures

Suitable extinguishing media:
In adaption to materials stored in the immediate neighbourhood.

Special risks:
Non-combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
The following may develop in event of fire: nitrous gases, phosphorus oxides.

Special protective equipment for fire fighting:
Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Other information:
Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

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6. Accidental release measures

Person-related precautionary measures:
Avoid generation of dusts; do not inhale dusts.

Environmental-protection measures:
Do not allow to enter sewerage system.

Procedures for cleaning / absorption:
Take up dry. Forward for disposal. Clean up affected area.

7. Handling and storage

Handling:

No further requirements.

Storage:

Tightly closed. In a well-ventilated place. At +15°C to +25°C.
The data apply to the entire pack.

8. Exposure controls/personal protection

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when dusts are generated.

Eye protection: required

Hand protection: required

Industrial hygiene:
Change contaminated clothing. Wash hands after working with substance.

9. Physical and chemical properties

Form:	solid
Colour:	light grey
Odour:	odourless
pH value	not available
Melting point	not available
Boiling point	not available
Ignition temperature	not available
Flash point	not available
Explosion limits	lower not available
	upper not available
Density	not available
Solubility in water	(20 °C) soluble

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10. Stability and reactivity

Conditions to be avoided

Heating.

Substances to be avoided

acetic acid anhydride (heat)

Hazardous decomposition products

in the event of fire: See chapter 5.

Further information

partial component: incompatible with alkaline substances.

11. Toxicological information

Acute toxicity

Quantitative data on the toxicity of this product are not available.

Further toxicological information

Property that must be anticipated on the basis from the components of the preparation:

After skin contact: Slight irritations.

After eye contact: Slight irritations.

After swallowing: Possible symptoms: nausea, vomiting, diarrhoea.

After absorption of large quantities: agitation, spasms, tiredness, ataxia (impaired locomotor coordination), drop in temperature.

Further data

Further hazardous properties cannot be excluded.

The product should be handled with the care usual when dealing with chemicals.

12. Ecological information

Ecotoxic effects:

Quantitative data on the ecological effect of this product are not available.

Biological effects: Fertilizing effect possible.

Further ecologic data:

Do not allow to enter waters, waste water, or soil!

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13. Disposal considerations

Product:

Chemicals must be disposed of in compliance with the respective national regulations. Under www.retrologistik.de you will find country- and substance-specific information as well as contact partners.

Packaging:

Merck product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under www.retrologistik.de you will find special information on the respective national conditions as well as contact partners.

14. Transport information

Entire package: not subject to transport regulations.

15. Regulatory information

Labelling according to EC Directives

Symbol: ---

R-phrases: ---

S-phrases: ---

Additional labelling according to German regs. on hazardous substances and to the German Immission Protection Act
Attention - this preparation contains a substance which has not been fully tested so far.

German regulations

Water pollution class 2 (polluting substance) VwVwS Anh. 4

Storage class VCI 10-13

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16. Other information

Text of any R phrases referred to under heading 2:

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

Reason for alteration

Chapter 5: fire-fighting measures.
Chapter 11: toxicological information.
Chapter 12: ecological information.

Chapter 1: change in product name.

Chapter 15: change in water pollution class.

General update.

Contact for information:

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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.