

WTW Safety Data Sheet
According to EC Directives 91/155/EEC

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

Product name:

Reagent C / reducing reagent

Ord. No.: 821 097

Model: RC/P511

Manufacturer:

WTW Wissenschaftlich-Technische Werkstätten GmbH, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany, Tel.: +49(0)881 183-0, Fax.: +49(0)881 183-420

Emergency telephone:
(001)-703-527-3887

2. Composition/information on ingredients

Chemical characterization: White powder

Hazardous ingredients: Ascorbic acid

Hazard symbols: No hazardous product.

R-phrases: /

Content: 100 %

CAS-No.: 50-81-7

EINECS-No.: 200-066-2

EG-No.: 200-066-2

3. Hazards identification

No hazardous product.

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.

After ingestion: If you feel unwell, seek medical advice.

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5. Fire-fighting measures

Suitable extinguishing media: Water, CO₂, powder, foam

Unsuitable extinguishing media: No information available

Special risks: None

Other information: Combustible

6. Accidental release measures

Personal-related precautionary measures: Avoid substance contact.

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

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

7. Handling and storage

Handling: No further requirements.

Storage: Tightly closed at +15°C to +25°C.
Protected from light.

8. Exposure control/personal protection

Specific control parameters: None

Personal protective equipment

Respiratory protection: Required when dusts are generated.

Eye protection: Protective glasses

Hand protection: Gloves (nitrile rubber)

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

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9. Physical and chemical properties

<i>Form:</i> Solid	<i>Colour:</i> White	<i>Odour:</i> Odourless
<i>pH-value</i>	ca. 2.2 at 25°C and 50 g/l water	
<i>Melting temperature:</i>	192°C	
<i>Boiling temperature:</i>	°C	
<i>Ignition temperature:</i>	°C	
<i>Flash point:</i>	°C	
<i>Explosion limite lower:</i>	/	
<i> upper:</i>	/	
<i>Density:</i>	/	
<i>Solubility in water:</i>	330 g/l at 24°C	
<i>Thermal decomposition:</i>	> 192°C	

10. Stability and reactivity

<i>Conditions to be avoided:</i>	Heating and influence of light and air
<i>Substances to be avoided:</i>	Oxidizing agents
<i>Hazardous decomposition products:</i>	No information available.
<i>Further information:</i>	None

11. Toxicological information

<i>Acute toxicity:</i>	LD 50 (oral, rat): 11900 mg/kg for ascorbic acid
<i>Further toxicological information:</i>	After eye contact: irritant effect. Noncarcinogenic in animal experiments. Naturally occurring substance.

12. Ecological information

<i>Ecotoxic effects:</i>	No ecological problems are to be expected when the product is handled and used with due care and attention. Easily eliminable.
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13. Disposal considerations

Products: There are no uniform regulations for the disposal of chemicals or residues. The disposal is regulated through corresponding regional laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose the special waste.

Packaging: Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, noncontaminated packaging may be treated like household waste or recycled.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

Labelling according to EC directives

Symbol: No hazardous product.

R-phrases: /

S-phrases: /

German regulations

Water pollution class WGK: 1 slightly polluting substance

Storage class: 11

Regulation on combustible liquids: VbF: Solid matter, combustible

Other regulations: None

16. Other information

Date of issue: 20.05.2008

Supersedes edition of First edition

Reason for alteration: First edition

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.