

According to EC Directives 91/155/EEC

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

Product name:

Clorina Powder

Ord. No.: 109 730 Model: SORT/RH

Manufacturer:

WTW Wissenschaftlich-Technische Werkstätten GmbH, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany, Tel.: (0881) 183-0, Fax.: (0881) 62539

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

2. Composition/information on ingredients

Chemical characterization: White salt – organic compound

Hazardous ingredients: Chloramine T trihydrate

(N-Chloro-4-toluenesulfonamide sodium salt)

Hazard symbols:Corrosive (C)R-phrases:22-31-34-42Content:100 %CAS-No.:7080-50-4EINECS-No.:204-854-7EG-No.:204-854-7

3. Hazards identification

Harmful if swallowed. Contact with acids liberates toxic gas. Causes burns. May cause sensitization by inhalation.

4. First aid measures

After inhalation: Fresh air. Summon doctor.

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. If pain persists, summon eye specialist.

After ingestion: Make injured person drink plenty of water (if necessary

several litres). Avoid vomiting, summon doctor.

Do not attempt to neutralize.

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Identification of the substance/preparation

Clorina Powder

5. Fire-fighting measures

Suitable extinguishing media: Water

Unsuitable extinguishing media: No information available.

Special risks: Combustible. In the event of fire: danger of explosion!

The following may develop in the event of fire: SOx,

HCI, chlorine and nitrogen oxides

Other information: Use chemical protection clothing and selfcontained

breathing apparatus in the event of fire.

6. Accidental release measures

Personal-related precautionary measures: Avoid substance contact.

Do not inhale dusts. Use a ventilating hood.

Environmental-protection measures: Do not allow to enter sewerage

system.

Procedures for cleaning/absorption: Take up dry. Avoid generation of dusts.

Forward for disposal.

Clean up affected area with water.

7. Handling and storage

Handling: No further requirements.

Storage: Tightly closed at room temperature.

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

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

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Identification of the substance/preparation

Clorina Powder

9. Physical and chemical properties

Form: Solid Colour: White Odour: Weakly of chlorine

pH-value ca. 8-10 at 20°C and 50 g/l water

Melting temperature: >70°C (decomposition)

Boiling temperature: °C
Ignition temperature: °C
Flash point: °C

Explosion limite lower.

upper:

Density: bulk density near 500-600 kg/m3

Solubility in water: 150 g/l 25°C
Thermal decomposition: > 132°C

10. Stability and reactivity

Conditions to be avoided: Heating (explosive decomposition)

Substances to be avoided: Acids

Hazardous decomposition products: No information available.

Further information: Sensitive to air.

11. Toxicological information

Acute toxicity: LD 50 oral: ~ 1000 mg/kg

Further toxicological information: After inhalation of dust: irritation symptoms in the

repiratory tract. Sensitiziation with allergic manifestations

in predisposed persons. After eye contact: burns.

After ingestion: nausea, vomiting.

Further hazardous properties cannot be excluded. The product should be handled with the care usual

when dealing with chemicals.

12. Ecological information

Ecotoxic effects: Toxic for aquatic organisms.

Fish toxicity: P. reticulata LC 50: 31 mg/l 96 h

Disinfectant effect.
Readily biodegradable.

Do not allow to enter sewerage system.

A harmful effect on aquatic organisms cannot be excluded in the event of improper handling and

disposal.

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Identification of the substance/preparation

Clorina Powder

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

ADR/GGVSE: UN 3263 Ätzender basischer anorganischer fester Stoff, N.A.G.

(Chloramin T Trihvdrat) 8 III

IMDG/GGVSee: UN 3263 Corrosive solid, basic, organic n.o.s.

(Chloramine T Trihydrate) 8 III. Ems-No.: F-A, S-B

ICAO/IATA: UN 3263 Corrosive solid, basic, organic n.o.s.

(Chloramine T Trihydrate) 8 III

Further information: None

15. Regulatory information

Labelling according to EC directives

Symbol: Corrosive (C)

R-phrases: 22-31-34-42 Harmful if swallowed. Contact with acids liberates toxic gas.

Causes burns. May Cause sensitizations by inhalation.

S-phrases: 7-22-26-36/37/39-45 Keep container tightly closed. Do not breathe dust.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

German regulations

Water pollution class; WGK: 2 Polluting substance.

Regulation on combustible liquids; VbF: Combustible

Other regulations: None

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Identification of the substance/preparation

Clorina Powder

16. Other information

Date of issue: 22.1.2004
Supersedes edition of 4.12.2002
Reason for alteration: General update

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.

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According to EC Directives 91/155/EEC

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

Product name:

Activation Powder

Ord. No.: 109 730 Model: SORT/RH

Manufacturer:

WTW Wissenschaftlich-Technische Werkstätten GmbH, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany, Tel.: (0881) 183-0, Fax.: (0881) 62539

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

2. Composition/information on ingredients

Chemical characterization: Grey powder

Ingredients: Bentonite and polyvinyl alcohol

Bentonite Polyvinyl alcohol

Hazard symbols: No hazardous product Hazard symbols: No hazardous product

R-phrases: R-phrases: Content: 53 % Content: 27 % CAS-No.: 1302-78-9 CAS-No.: 9002-89-5 EG-No.: 215-108-5 EG-No.: 209-183-3 EINECS-No.: 215-108-5 EINECS-No.: 209-183-3

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: Give plenty of water to drink.

Immediately consult doctor if feeling unwell.

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Identification of the substance/preparation

Activation Powder

5. Fire-fighting measures

Suitable extinguishing media: Water, foam, CO₂, powder.

Unsuitable extinguishing media: No information available.

Special risks: Toxic gases may be generate in the event of fire.

Danger of dust explosion.

Other information: Combustible

6. Accidental release measures

Personal-related precautionary measures: Avoid the generation of dusts.

Environmental-protection measures: None

Procedures for cleaning/absorption: Take up carefully and dry.

Avoid generation of dusts.

Clean up affected area with water.

7. Handling and storage

Handling: No further requirements.

Storage: Store tightly closed.

Prevent electrostatic charge.

8. Exposure control/personal protection

Specific control parameters: None

Personal protective equipment

Respiratory protection: Required dust mask when dusts are generated.

Eye protection: Protective glasses

Hand protection: Gloves

Industrial hygiene: Wash hands and face after working with product.

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Identification of the substance/preparation

Activation Powder

9. Physical and chemical properties

Form: Powder Colour: Grey Odour: Odourless

pH-value 9-10 at 20°C

Melting temperature: °C
Boiling temperature: °C
Ignition temperature: /
Flash point: /

Explosion limite lower: no information available

upper: no information available

Density: /
Solubility in water: /

Thermal decomposition: no information available

10. Stability and reactivity

Conditions to be avoided: No information available.

Substances to be avoided: No information available.

Hazardous decomposition products: No information available.

Further information: None

11. Toxicological information

Acute toxicity: Quantitative data on the toxicity of this product

are not available.

Further toxicological information: The data available to us do not suffice to permit

any industrial-toxicological assessment. Hazardous properties cannot be excluded.

12. Ecological information

Ecotoxic effects: No ecological problems are to be expected when the

product is handled and used with due care and

attention.

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Identification of the substance/preparation

Activation Powder

13. Disposal considerations

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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: 2 polluting substance

Regulation on combustible liquids; VbF: Combustible

Other regulations: None

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Identification of the substance/preparation

Activation Powder

16. Other information

Date of issue: 22.1.2004
Supersedes edition of Reason for alteration: 22.1.2002
General update

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.

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