This SDS packet was issued with item:
076366223

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

076366025
1 Identification of the substance/mixture and of the company/undertaking

- **Trade name**: Dentatec
- **Application of the substance / the preparation**: Milling additive
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**
    - Supplier: SIRONA Dental Systems GmbH
      Fabrikstraße 31
      D-64625 Bensheim
    - http://www.sirona.de
    - Telefon: +49(0)6251/16-3440
    - Telefax: +49(0)6251/16-2935
  - **Manufacturer:** Graichen Produktions-und Vertriebs-GmbH
    Darmstädterstraße 127-129
    D-64625 Bensheim
- **Informing department:** Environment protection department
- **Emergency telephone number:** Advice centre for poisoning university Mainz phone +49(0)6131/19240 or poison information: +49(0)700/GIFTINFO

2 Hazards identification

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
  - **Classification system:** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
  - **Label elements**
    - **Labelling according to EU guidelines:** The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
    - **Code letter and hazard designation of product:** Xi Irritant
    - **Hazard-determining components of labelling:** mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1)
    - **Risk phrases:**
      - 36/38 Irritating to eyes and skin.
      - 43 May cause sensitisation by skin contact.
    - **Safety phrases:**
      - 24/25 Avoid contact with skin and eyes.
      - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
      - 36/37 Wear suitable protective clothing and gloves.
      - 46 If swallowed, seek medical advice immediately and show this container or label.
      - 64 If swallowed, rinse mouth with water (only if the person is conscious).

2.3 Other hazards
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.

(Contd. on page 2)
3 Composition/information on ingredients

3.2 Chemical characterization: Mixtures
Description: Milling additive

Dangerous components:
CAS: 52-51-7 bronopol (INN) < 2.5%
EINECS: 200-143-0 R21/22; R37/38-41; N R50
CAS: 55965-84-9 mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) < 2.5%

4 First aid measures

4.1 Description of first aid measures
General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Position and transport in a stable posture on side.

After inhalation: Supply fresh air; consult doctor in case of symptoms.

After skin contact: If skin irritation continues, consult a doctor. Instantly wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Instantly call for doctor.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents
Water with a full water jet.

5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
- Sulphur dioxide (SO2)
- Hydrogen chloride (HCl)
- Nitrogen oxides (NOx)
- Carbon monoxide (CO)
- Carbondioxid (CO2)
- Hydrogenbromide (HBr)

5.3 Advice for firefighters
Protective equipment: Wear self-contained breathing apparatus.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use breathing protection against the effects of fumes/dust/aerosol.

6.2 Environmental precautions:
Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.
7 Handling and storage

7.1 Precautions for safe handling
No special precautions necessary if used correctly.

7.2 Conditions for safe storage, including any incompatibilities
Storerooms and containers:
Store only in the original container.

8 Exposure controls/personal protection

8.1 Control parameters
Components with critical values that require monitoring at the workplace:
56-81-5 glycerol
WEL Long-term value: 10 mg/m³

Country Components Categorie Value Unit

Germany 2-methyl-4-isothazolin-3-on MAK 0,05
5-chloro-2-methyl-4-isothazolin-3-on MAK 0,05

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls
Personal protective equipment
General protective and hygienic measures
Keep away from foodstuffs, beverages and food.
Immediately remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

Breathing equipment: Not required.
Protection of hands: Protective gloves.
Material of gloves: Nitrile rubber, NBR

Penetration time of glove material
Value for the permeation: Level ≥ 0.7 mm 480 min (8h) EN 374
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Not suitable are gloves made of the following materials:
Natural rubber, NR
PVA gloves

Eye protection:
Tightly sealed safety glasses.

(Contd. on page 4)
9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:
  Form: Fluid
  Colour: Colourless

Smell:
  Odour threshold: Not determined.

pH-value at 20°C:
  > 4

Change in condition
  Melting point/Melting range: Not determined
  Boiling point/Boiling range: 100°C

Flash point:
  101°C

Inflammability (solid, gaseous):
  Not applicable.

Ignition temperature:
  400°C

Decomposition temperature:
  Not determined.

Self-inflammability:
  Product is not selfigniting.

Danger of explosion:
  Not determined.

Critical values for explosion:
  Lower: Not determined.
  Upper: Not determined.

Steam pressure at 20°C:
  0.1 hPa

Density at 20°C:
  1.23238 g/cm³

Relative density:
  Not determined.

Vapour density:
  Not determined.

Evaporation rate:
  Not determined.

Solubility in / Miscibility with
  Water: Fully miscible

Segregation coefficient (n-octanol/water):
  Not determined.

Viscosity:
  dynamic: Not determined.
  kinematic: Not determined.

9.2 Other information
  No further relevant information available.

10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:
  No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials:

10.6 Hazardous decomposition products:
  Hydrogen chloride (HCl)
  Nitrous vitriol gases
  Sulphur dioxide

(Contd. on page 5)
**11 Toxicological information**

11.1 Information on toxicological effects

Acute toxicity:

- LD/LC50 values that are relevant for classification:
  - 2-Brom-2-nitropropan-1,3-diol: Acute toxicity, oral: 254 mg/kg rat.
  - Acute toxicity, dermal: >1600 mg/kg
  - mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
    - Acute toxicity, oral: 457 mg/kg rat.
    - Acute toxicity, dermal: >2000 mg/kg rat.
    - Acute toxicity, dermal: 660 mg/kg rabbit.

Primary irritant effect:

- on the skin: Irritant for skin and mucous membranes.
- on the eye: irritant
- Sensitization: Sensitization possible by skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

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**12 Ecological information**

12.1 Toxicity

Aquatic toxicity:

- 2-Brom-2-nitropropan-1,3-diol
  - Aquatic toxicity LC50: 96h: 41.2 mg/l Oncorhynchus mykiss
  - LC50: 96h: 35.7 mg/l Lepomis macrochirus
  - EC50: 48h: 1.4 mg/l Daphnia magna
  - EC50: 72h: 0.4 mg/l Pseudokirchneriella subcapitata
  - EC50: 16h: >50 mg/l Pseudomonas putida
  - mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
  - Aquatic toxicity LC50: 96h: 0.19 mg/l Oncorhynchus mykiss
  - LC50: 96h: 0.28 mg/l Lepomis macrochirus
  - EC50: 48h: 0.16 mg/l Daphnia magna
  - EC50: 72h: 0.018 mg/l Pseudokirchneriella subcapitata
  - EC50: 16h: 5.7 mg/l Pseudomonas putida

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

- Water hazard class 2 (Self-assessment): hazardous for water.
- Do not allow product to reach ground water, water bodies or sewage system.

12.5 Results of PBT and vPvB assessment:

- PBT: Not applicable.
- vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

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**13 Disposal considerations**

13.1 Waste treatment methods

Recommendation: Must be specially treated under adherence to official regulations.

Uncleaned packagings:

Recommendation: Dispose of packaging according to regulations on the disposal of packagings.
14 Transport information

14.1 UN-Number
ADR, ADN, IATA

14.2 UN proper shipping name
ADR, ADN, IATA

14.3 Transport hazard class(es)
ADR, ADN, IATA
Class

14.4 Packing group
ADR, IATA

14.5 Environmental hazards:
Marine pollutant:

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

Transport/Additional information:
Not dangerous according to the above specifications.

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulations:
Water hazard class:
Water 2,5-10
NK 50-100

Water hazard class:
Water hazard class 2 (Self-assessment): hazardous for water.

15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

16 Other information
These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet:
Environment protection department.

* Data compared to the previous version altered.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Trade name: Dentatec
Article number: 3010-0561

1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the mixture: Milling additive
No further relevant information available.

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier: SIRONA Dental Systems GmbH
Fabrikstraße 31
d-64625 Bensheim
http://www.sirona.de
Telefon:+49(0)6251/16-3440
Telefax:+49(0)6251/16-2935
Environment protection department
Advice centre for poisoning university Mainz phone +49(0)6131/19240 or poison information:+49(0)700/GIFTINFO

1.4 Emergency telephone number:
Further information obtainable from:

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
GHS07
Skin Sens. 1 H317 May cause an allergic skin reaction.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC
Xi; Irritant
R36/38: Irritating to eyes and skin.
Xi; Sensitising
R43: May cause sensitisation by skin contact.

Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Classification system:
The product is classified and labelled according to the CLP regulation.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
Hazard pictograms

Signal word
GHS07
Warning

Hazard-determining components of labelling:
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
H317 May cause an allergic skin reaction.
P280 Wear protective gloves/protection clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P262 Do not get in eyes, on skin, or on clothing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315 Get immediate medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
CAS: 7732-18-5
EINECS: 231-791-2
Wasser 2.5-10%
## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Medical treatment is necessary if symptoms occur which are obviously caused by skin or eye contact with the product or by inhalation of its vapours. Remove soiled, soaked clothing immediately.

**After inhalation:**
Move subject to fresh air and keep him calm. See a physician. Position and transport stably in side position.

**After skin contact:**
If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Rinse out mouth and then drink plenty of water.

**After swallowing:**
Supply fresh air; consult doctor in case of complaints.

### 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:**
Use fire extinguishing methods suitable to surrounding conditions.

**Special hazards arising from the substance or mixture:**
Formation of toxic gases is possible during heating or in case of fire. Sulphur dioxide (SO2), Hydrogen chloride (HCl), Nitrogen oxides (NOx), Carbon monoxide (CO), Carbondioxid (CO2), Hydrogenbromide (HBr).

### 5.3 Advice for firefighters

**Protective equipment:**
Wear self-contained respiratory protective device.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**Use respiratory protective device against the effects of fumes/dust/aerosol.**
Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No special precautions are necessary if used correctly.
Trade name: Dentatec

Information about fire - explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
- Information about storage in one common storage facility:
- Further information about storage conditions:

7.3 Specific end use(s)
Milling additive

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Designation of material % Type Value Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-81-5</td>
<td>glycerol</td>
</tr>
<tr>
<td>WEL</td>
<td>Long-term value: 10 mg/m²</td>
</tr>
</tbody>
</table>

Additional Occupational Exposure Limit Values for possible hazards during processing:

<table>
<thead>
<tr>
<th>Components</th>
<th>Category</th>
<th>mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methyl-4-isothazolin-3-on</td>
<td>MAK</td>
<td>0,05</td>
</tr>
<tr>
<td>5-chloro-2-methyl-4-isothazolin-3-on</td>
<td>MAK</td>
<td>0,05</td>
</tr>
</tbody>
</table>

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:
General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.
- Not required.
- Protective gloves
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
    - Nitrile rubber, NBR
    - Recommended thickness of the material: ≥ 0.7 mm
    - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
    - Value for the permeation: Level ≥ 0.7 mm 480 min (8 h) EN374
    - The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
    - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
    - Not suitable are gloves made of the following materials:
      - Natural rubber, NR
      - PVA gloves
    - Eye protection:
      - Tightly sealed goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:
- Form: Fluid
- Colour: Colourless
- Odour: Characteristic
- Odour threshold: Not determined.
- pH-value at 20 °C: ≥ 4
- Change in condition:
  - Boiling point/Boiling range: 100 °C
Trade name: Dentatec

- Flash point: > 100 °C
- Flammability (solid, gaseous): Not applicable.
- Ignition temperature: 400 °C
- Decomposition temperature: Not determined.
- Self-igniting: Product is not self-igniting.
- Danger of explosion: Not determined.
- Explosion limits:
  - Lower: Not determined.
  - Upper: 0.9 Vol %
- Vapour pressure at 20 °C: 0.1 hPa
- Density at 20 °C: 1.2324 g/cm³
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with water: Not miscible or difficult to mix.
- Partition coefficient (n-octanol/water): Not determined.
- 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
10.2 Chemical stability
  - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
  - 10.3 Possibility of hazardous reactions: Forms explosive gas mixture with air.
  - Reacts with strong oxidising agents.
10.4 Conditions to avoid
  - No further relevant information available.
10.5 Incompatible materials:
  - Oxidizing agents
10.6 Hazardous decomposition products:
  - Hydrogen chloride (HCl)
  - Nitrogen oxides
  - Sulphur dioxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values relevant for classification: Toxicological information (External MSDS)
      2-Brom-2-nitropropan-1,3-diol: Acute toxicity, oral: 254 mg/kg rat.
      Acute toxicity, dermal: >1600 mg/kg mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1):
      Acute toxicity, oral: 457 mg/kg rat.
      Acute toxicity, dermal: >2000 mg/kg rat.
      Acute toxicity, dermal: >660 mg/kg rabbit.

52-51-7 bronopol (INN)

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>254 mg/kg (rat)</td>
<td>254 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal</td>
<td>1600 mg/kg (rat)</td>
<td>1600 mg/kg (rat)</td>
</tr>
</tbody>
</table>

- Primary irritant effect:
  - on the skin: Irritant to skin and mucous membranes.
  - on the eye: Irritant.
  - Sensitisation: Sensitisation possible through skin contact.
  - Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  - Irritant.

SECTION 12: Ecological information

12.1 Toxicity
  - Aquatic toxicity:
    - 2-Brom-2-nitropropan-1,3-diol
      Aquatic toxicity LC50: 96h: 41.2 mg/l Oncorhynchus mykiss
      LC50: 96h: 35.7 mg/l Lepomis macrochirus
      EC50: 48h: 1.4 mg/l Daphnia magna
      EC50: 72h: 0.4 mg/l Pseudokirchneriella subcapitata

(Contd. on page 5)
Safety data sheet  
according to 1907/2006/EC, Article 31  
Version number 1501

Trade name: Dentatec

EC50:16h: >50 mg/l Pseudomonas putida
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H
-1isothiazol-3-one [EC no. 220-239-6] (3:1)
Aquatoxicity LC50: 96h: 0.19 mg/l Oncorhynchus mykiss
LC50: 96h: 0.26 mg/l Lepomis macrochirus
EC50: 48h: 0.16 mg/l Daphnia magna
EC50: 72h: 0.018 mg/l Pseudokirchneriella subcapitata
EC50: 16h: 5.7 mg/l Pseudomonas putida

12.3 Bioaccumulative potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB:  Not applicable.

12.6 Other adverse effects
No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation: Must be specially treated adhering to official regulations.

Uncleaned packaging:
Recommendation: Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information

14.1 UN-Number
ADR, ADN, IMDG, IATA: Void

14.2 UN proper shipping name
ADR, ADN, IMDG, IATA: Void

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA: Void

14.4 Packing group
ADR, ADN, IMDG, IATA: Void

14.5 Environmental hazards:
Transport/Additional information: Not dangerous according to the above specifications.

Marine pollutant: No
Special precautions for user: Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

UN "Model Regulation":

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulations:

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Water hazard class - Water hazard class 2 (Self-assessment): hazardous for water.

15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: Environment protection department.

Abbreviations and acronyms:
Acute Tox.: Acute toxicity, Hazard Category 1
Acute Tox.: Acute toxicity, Hazard Category 2
Skin Corr.: Skin corrosion/irritation, Hazard Category 1B
Skin Corr.: Skin corrosion/irritation, Hazard Category 2
Skin Irrit.: Skin irritation, Hazard Category 1
Skin Irrit.: Skin irritation, Hazard Category 2
Eye Dam.: Serious eye damage/eye irritation, Hazard Category 1
Skin Sens.: Skin sensitisation, Skin, Hazard Category 1
Skin Sens.: Skin sensitisation, Skin, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Aq. Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
Aq. Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

* Data compared to the previous version altered.