



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 12-Oct-2021

Revision Number 1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Code(s)** DRE-C10810000

**Product Name** Bronopol

*NOTE [8] - No registration number is given for this substance because it is under the threshold in REACH Article 6(1) and not subject to the registration requirements according to REACH Title II*

**EC No** 200-143-0

**CAS No** 52-51-7

**Chemical name** Bronopol (INN)

**Pure substance/mixture** Substance

**Formula** C<sub>3</sub>H<sub>6</sub>BrNO<sub>4</sub>

**Molecular weight** 200.01

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** Laboratory use

**Uses advised against** No information available

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

LGC Limited  
Queens Road  
Teddington  
Middlesex TW11 0LY  
UNITED KINGDOM  
:+44 (0) 20 8943 7000  
Fax :+44 (0) 20 8943 2767  
eMail : gb@lgcstandards.com

Web : [www.lgcstandards.com](http://www.lgcstandards.com)

For further information, please contact

**E-mail address** [sds-request@lgcgroup.com](mailto:sds-request@lgcgroup.com)



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## 1.4. Emergency telephone number

Emergency Telephone

For Hazardous Materials or Dangerous Goods Incident  
Spill, Leak, Fire Exposure, or Accident  
Call CHEMTREC:  
USA & Canada 1-800-424-9300  
Rest of the world +1 703-741-5970

| Emergency Telephone - §45 - (EC)1272/2008 |   |
|---|---|
| Europe                                    | 112   |
| Austria                                   | No information available  |
| Bulgaria                                  |   |
| Croatia                                   |   |
| Cyprus                                    |   |
| Czech Republic                            |   |
| Denmark                                   |   |
| France                                    |   |
| Hungary                                   |   |
| Ireland                                   |   |
| Italy                                     |   |
| Lithuania                                 |   |
| Luxembourg                                | (+352) 8002 5500 Free telephone number with a 24/7 access in French, Dutch and English. |
| Netherlands                               |   |
| Norway                                    |   |
| Portugal                                  |   |
| Romania                                   |   |
| Slovakia                                  |   |
| Slovenia                                  |   |
| Spain                                     |   |
| Sweden                                    |   |
| Switzerland                               |   |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

|  |                     |
|--|---------------------|
| Acute toxicity - Oral                            | Category 3 - (H301) |
| Acute toxicity - Dermal                          | Category 4 - (H312) |
| Skin corrosion/irritation                        | Category 2 - (H315) |
| Serious eye damage/eye irritation                | Category 1 - (H318) |
| Specific target organ toxicity — single exposure | Category 3 - (H335) |
| Category 3 Respiratory irritation                |                     |
| Acute aquatic toxicity                           | Category 1 - (H400) |
| Chronic aquatic toxicity                         | Category 2 - (H411) |



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## 2.2. Label elements

200-143-0  
Contains Bronopol (INN)



Signal word  
Danger

## Hazard statements

H301 - Toxic if swallowed  
H312 - Harmful in contact with skin  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H335 - May cause respiratory irritation  
H400 - Very toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

## Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash face, hands and any exposed skin thoroughly after handling  
P273 - Avoid release to the environment  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER or doctor  
P391 - Collect spillage

## 2.3. Other hazards

No information available.

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

| Chemical name  | EU - REACH (1907/2006) - Article 59(1)<br>- Candidate List of Substances of Very<br>High Concern (SVHC) for Authorisation | EU - REACH (1907/2006) - Endocrine<br>Disruptor Assessment List of<br>Substances |
|----------------|---|--|
| Bronopol (INN) | -   | -  |

## SECTION 3: Composition/information on ingredients



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## 3.1 Substances

| Chemical name             | Weight-% | REACH registration number | EC No     | Classification according to Regulation (EC) No. 1272/2008 [CLP]   | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---------------------------|----------|---------------------------|-----------|---|------------------------------------|----------|----------------------|
| Bronopol (INN)<br>52-51-7 | 100      | -                         | 200-143-0 | Acute Tox. 3 (H301)<br>Acute Tox. 4 (H312)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>STOT SE 3 (H335)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 2 (H411) | M=10                               | 10       | 10                   |

**Full text of H- and EUH-phrases: see section 16**

### Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE<sub>mix</sub>) for classifying a mixture based on its components

| Chemical name             | Oral LD50<br>mg/kg | Dermal LD50<br>mg/kg | Inhalation LC50 - 4<br>hour - dust/mist - mg/L | Inhalation LC50 - 4<br>hour - vapour - mg/L | Inhalation LC50 - 4<br>hour - gas - ppm |
|---------------------------|--------------------|----------------------|--|---|---|
| Bronopol (INN)<br>52-51-7 | 180                | 1600                 | No data available                              | No data available                           | No data available                       |

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

#### Inhalation

Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.

#### Eye contact

Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do.



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|   |  |
|---|--|
|   | Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.  |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water for at least 15 minutes. If symptoms persist, call a doctor.  |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.   |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing. |

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

|                 |                    |
|-----------------|--------------------|
| <b>Symptoms</b> | Burning sensation. |
|-----------------|--------------------|

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

|                        |                        |
|------------------------|------------------------|
| <b>Note to doctors</b> | Treat symptomatically. |
|------------------------|------------------------|

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

|                                     |   |
|-------------------------------------|---|
| <b>Suitable Extinguishing Media</b> | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|-------------------------------------|---|

|                   |  |
|-------------------|--|
| <b>Large Fire</b> | CAUTION: Use of water spray when fighting fire may be inefficient. |
|-------------------|--|

|                                       |   |
|---------------------------------------|---|
| <b>Unsuitable extinguishing media</b> | Do not scatter spilled material with high pressure water streams. |
|---------------------------------------|---|

### 5.2. Special hazards arising from the substance or mixture

|   |                           |
|---|---------------------------|
| <b>Specific hazards arising from the chemical</b> | No information available. |
|---|---------------------------|

### 5.3. Advice for firefighters

|   |  |
|---|--|
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|---|--|

## **SECTION 6: Accidental release measures**

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

|                             |  |
|-----------------------------|--|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. |
|-----------------------------|--|



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**Other information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

## **6.2. Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

## **6.3. Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## **6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Avoid breathing vapours or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection.

### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up. Please refer to the manufacturer's certificate for specific storage and transport temperature conditions. Store only in the original receptacle unless other advice is given on the CoA.

### **7.3. Specific end use(s)**

**Identified uses**  
**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.



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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

| Chemical name             | France | Germany | Germany MAK          | Greece | Hungary |
|---------------------------|--------|---------|----------------------|--------|---------|
| Bronopol (INN)<br>52-51-7 | -      | -       | *<br>skin sensitizer | -      | -       |

#### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

### 8.2. Exposure controls

#### Personal protective equipment

**Eye/face protection** Tight sealing safety goggles. Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves. Impervious gloves. The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374.

| Gloves              |                                     |                 |                    |
|---------------------|-------------------------------------|-----------------|--------------------|
| Duration of contact | PPE - Glove material                | Glove thickness | Break through time |
|                     | Wear protective butyl rubber gloves |                 |                    |

**Skin and body protection** Long sleeved clothing. Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection.



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**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |                           |
|-----------------|---------------------------|
| Physical state  | Solid                     |
| Appearance      | Crystalline powder        |
| Colour          | white                     |
| Odour           | No information available. |
| Odour threshold | No information available  |

| Property                               | Values                   | Remarks • Method         |
|--|--------------------------|--------------------------|
| Melting point / freezing point         | 129 °C                   | None known               |
| Boiling point / boiling range          | No data available        | None known               |
| Flammability (solid, gas)              | No data available        | None known               |
| Flammability Limit in Air              |                          | None known               |
| Upper flammability or explosive limits | No data available        |                          |
| Lower flammability or explosive limits | No data available        |                          |
| Flash point                            | No data available        | None known               |
| Autoignition temperature               | No data available        | None known               |
| Decomposition temperature              |                          | None known               |
| pH                                     | No data available        | None known               |
| pH (as aqueous solution)               | No data available        | No information available |
| Kinematic viscosity                    | No data available        | None known               |
| Dynamic viscosity                      | No data available        | None known               |
| Water solubility                       | Soluble in water 286 g/L | None known               |
| Solubility(ies)                        | No data available        | None known               |
| Partition coefficient                  | No data available        | None known               |
| Vapour pressure                        | 0.000051 hPa             | None known               |
| Relative density                       | 1.905                    | None known               |
| Bulk density                           | No data available        |                          |
| Liquid Density                         | No data available        |                          |
| Relative vapour density                | No data available        | None known               |
| Particle characteristics               |                          |                          |
| Particle Size                          | No information available |                          |
| Particle Size Distribution             | No information available |                          |

### 9.2. Other information

|                   |           |
|-------------------|-----------|
| Molecular weight  | 200.01    |
| Molecular formula | C3H6BrNO4 |

9.2.1. Information with regards to physical hazard classes  
Not applicable





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9.2.2. Other safety characteristics  
No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity No information available.

### 10.2. Chemical stability

Stability Stable under normal conditions.

#### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

### 10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Hydrogen bromide.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Information on likely routes of exposure

##### Product Information

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.

**Skin contact** Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).



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## Ingestion

Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Toxic if swallowed. (based on components).

## Symptoms related to the physical, chemical and toxicological characteristics

### Symptoms

Redness. Burning. May cause blindness. May cause redness and tearing of the eyes.

## Numerical measures of toxicity

### Acute toxicity

## Component Information

| Chemical name  | Oral LD50           | Dermal LD50          | Inhalation LC50                  |
|----------------|---------------------|----------------------|----------------------------------|
| Bronopol (INN) | = 180 mg/kg ( Rat ) | = 1600 mg/kg ( Rat ) | > 5 g/m <sup>3</sup> ( Rat ) 6 h |

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

### Skin corrosion/irritation

Classification based on data available for ingredients. Irritating to skin.

### Serious eye damage/eye irritation

Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

### Respiratory or skin sensitisation

No information available.

### Germ cell mutagenicity

No information available.

### Carcinogenicity

No information available.

### Reproductive toxicity

No information available.

### STOT - single exposure

May cause respiratory irritation.



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**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

#### 11.2.2. Other information

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

| Chemical name  | Algae/aquatic plants | Fish                                      | Toxicity to microorganisms | Crustacea                            |
|----------------|----------------------|---|----------------------------|--------------------------------------|
| Bronopol (INN) | -                    | LC50: >20 mg/L (96h, Oncorhynchus mykiss) | -                          | EC50: >1.4 mg/L (48h, Daphnia magna) |

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** No information available.

### 12.4. Mobility in soil

**Mobility in soil** No information available.

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** The product contains substance(s) classified as PBT or vPvB.

| Chemical name  | PBT and vPvB assessment         |
|----------------|---------------------------------|
| Bronopol (INN) | The substance is not PBT / vPvB |



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## 12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

## 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

## SECTION 14: Transport information

### IATA

14.1 UN number or ID number UN3241  
14.2 UN proper shipping name 2-Bromo-2-nitropropane-1,3-diol  
14.3 Transport hazard class(es) 4.1  
14.4 Packing group III  
Description UN3241, 2-Bromo-2-nitropropane-1,3-diol, 4.1, III  
14.5 Environmental hazards Yes  
14.6 Special precautions for user  
Special Provisions A20, A803  
ERG Code 3L

### IMDG

14.1 UN number or ID number UN3241  
14.2 UN proper shipping name 2-Bromo-2-nitropropane-1,3-diol  
14.3 Transport hazard class(es) 4.1  
14.4 Packing group III  
Description UN3241, 2-Bromo-2-nitropropane-1,3-diol, 4.1, III, Marine pollutant  
14.5 Marine pollutant P  
Environmental hazards Yes  
14.6 Special precautions for user  
Special Provisions None  
EmS-No F-J, S-G No information available  
14.7 Maritime transport in bulk according to IMO instruments No information available



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## RID

|                                   |  |
|-----------------------------------|--|
| 14.1 UN number or ID number       | UN3241   |
| 14.2 UN proper shipping name      | 2-Bromo-2-nitropropane-1,3-diol  |
| 14.3 Transport hazard class(es)   | 4.1  |
| 14.4 Packing group                | III  |
| Description                       | UN3241, 2-Bromo-2-nitropropane-1,3-diol, 4.1, III, Environmentally Hazardous |
| 14.5 Environmental hazards        | Yes  |
| 14.6 Special precautions for user |  |
| Special Provisions                | 638  |
| Classification code               | SR1  |

## ADR

|                                   |   |
|-----------------------------------|---|
| 14.1 UN number or ID number       | UN3241  |
| 14.2 UN proper shipping name      | 2-Bromo-2-nitropropane-1,3-diol   |
| 14.3 Transport hazard class(es)   | 4.1   |
| 14.4 Packing group                | III   |
| Description                       | UN3241, 2-Bromo-2-nitropropane-1,3-diol, 4.1, III, (D), Environmentally Hazardous |
| 14.5 Environmental hazards        | Yes   |
| 14.6 Special precautions for user |   |
| Special Provisions                | 638   |
| Classification code               | SR1   |
| Tunnel restriction code           | (D)   |

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water hazard class (WGK) obviously hazardous to water (WGK 2)

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### DIRECTIVE (EU) 2021/1187 on the marketing and use of explosives precursors

Not applicable

#### Persistent Organic Pollutants

Not applicable



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## **Dangerous substance category per Seveso Directive (2012/18/EU)**

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

## **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

### **International Inventories**

**TSCA**

Contact supplier for inventory compliance status

**DSL/NDSL**

Contact supplier for inventory compliance status

**EINECS/ELINCS**

Contact supplier for inventory compliance status

**ENCS**

Contact supplier for inventory compliance status

**IECSC**

Contact supplier for inventory compliance status

**KECL**

Contact supplier for inventory compliance status

**PICCS**

Contact supplier for inventory compliance status

**AICS**

Contact supplier for inventory compliance status

### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### **15.2. Chemical safety assessment**

#### **Chemical Safety Report**

A Chemical Safety Assessment has been carried out for this substance

## **SECTION 16: Other information**

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

#### **Full text of H-Statements referred to under section 3**

H301 - Toxic if swallowed

H312 - Harmful in contact with skin

H315 - Causes skin irritation

H318 - Causes serious eye damage



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H335 - May cause respiratory irritation  
H400 - Very toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

### Legend

SVHC: Substances of Very High Concern for Authorisation:

### Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)  
Ceiling Maximum limit value \* Skin designation

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - Vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation  | Calculation method |
| Mutagenicity  | Calculation method |
| Carcinogenicity   | Calculation method |
| Reproductive toxicity   | Calculation method |
| STOT - repeated exposure  | Calculation method |
| Acute aquatic toxicity  | Calculation method |
| Chronic aquatic toxicity  | Calculation method |
| Aspiration hazard   | Calculation method |
| Ozone   | Calculation method |

### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AELG(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**Revision date** 12-Oct-2021

**Revision Number** 1

## DRE-C10810000 - Bronopol

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National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date** 12-Oct-2021

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

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**End of Safety Data Sheet**