

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

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

#### 1.1 Product identifier

Product name : OKS 575

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

Use of the Sub-  
stance/Mixture : Lubricant

Recommended restrictions  
on use : Restricted to professional users.

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

Company : OKS Spezialschmierstoffe GmbH  
Ganghoferstr. 47  
D-82216 Maisach-Gernlinden  
Tel.: +49 8142 3051 500  
Fax.: +49 8142 3051 599  
info@oks-germany.com

E-mail address of person  
responsible for the SDS : mcm@oks-germany.com  
Material Compliance Management

National contact :

#### 1.4 Emergency telephone number

Emergency telephone num-  
ber : +49 8142 3051 517  
Warszawa: +48 22 619 66 54

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**

P261 Avoid breathing vapours.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous components which must be listed on the label:

2-methylisothiazol-3(2H)-one

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Aqueous solution  
PTFE  
UV indicator

#### Components

| Chemical name  | CAS-No.<br>EC-No.<br><br>Index-No.<br>Registration number | Classification   | Concentration limits<br>M-Factor<br>Notes | Concentration (% w/w)  |
|----------------|---|--|---|------------------------|
| bronopol (INN) | 52-51-7<br>200-143-0<br><br>603-085-00-8                  | Acute Tox.4; H302<br>Acute Tox.4; H312<br>Skin Irrit.2; H315<br>Eye Dam.1; H318<br>STOT SE3; H335<br>Aquatic Acute1;<br>H400 | M-Factor: 10/1                            | >= 0,0025 - <<br>0,025 |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

Version  
2.1

Revision Date:  
13.07.2021

Date of last issue: 06.05.2020  
Date of first issue: 21.03.2016

Print Date:  
13.07.2021

|  |  |  |   |                         |
|--|--|--|---|-------------------------|
|  |  | Aquatic Chronic1;<br>H410  |   |                         |
| dodecylguanidine<br>monohydrochloride  | 13590-97-1<br>237-030-0  | Acute Tox.4; H302<br>Acute Tox.2; H330<br>Skin Corr.1B;<br>H314<br>Eye Dam.1; H318<br>Aquatic Acute1;<br>H400  | M-Factor: 10/   | $\geq 0,0025 - < 0,025$ |
| 2-methylisothiazol-<br>3(2H)-one   | 2682-20-4<br>220-239-6<br><br>613-326-00-9                               | Acute Tox.3; H301<br>Acute Tox.2; H330<br>Acute Tox.3; H311<br>Skin Corr.1B;<br>H314<br>Eye Dam.1; H318<br>Skin Sens.1A;<br>H317<br>STOT SE3; H335<br>Aquatic Acute1;<br>H400<br>Aquatic Chronic1;<br>H410 | $\geq 0,0015\%$<br>Skin Sens.1A,<br>H317<br><br>M-Factor: 10/1  | $\geq 0,0025 - < 0,025$ |
| reaction mass of 5-<br>chloro-2-methyl-2H-<br>isothiazol-3-one and<br>2-methyl-2H-<br>isothiazol-3-one (3:1) | 55965-84-9<br>911-418-6<br><br>613-167-00-5<br>01-2120764691-48-<br>XXXX | Acute Tox.3; H301<br>Acute Tox.2; H330<br>Acute Tox.2; H310<br>Skin Corr.1C;<br>H314<br>Eye Dam.1; H318<br>Skin Sens.1A;<br>H317<br>Aquatic Acute1;<br>H400<br>Aquatic Chronic1;<br>H410                   | $\geq 0,6\%$<br>Skin Corr.1C,<br>H314<br><br>0,06 - < 0,6 %<br>Skin Irrit.2,<br>H315<br><br>0,06 - < 0,6 %<br>Eye Irrit.2, H319<br><br>$\geq 0,0015\%$<br>Skin Sens.1A,<br>H317<br><br>$\geq 0,6\%$<br>Eye Dam.1,<br>H318<br><br><br>M-Factor:<br>100/100 | $\leq 0,0002$           |

For explanation of abbreviations see section 16.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.  
Keep patient warm and at rest.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with soap and plenty of water.  
Get medical attention immediately if irritation develops and persists.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : Move the victim to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
Do NOT induce vomiting.  
Rinse mouth with water.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : Allergic appearance
- Risks : May cause an allergic skin reaction.

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

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

Unsuitable extinguishing media : High volume water jet

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

Hazardous combustion products : Carbon oxides  
Halogenated compounds

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

Further information : Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

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

Personal precautions : Evacuate personnel to safe areas.  
Use personal protective equipment.  
Ensure adequate ventilation.  
Do not breathe vapours or spray mist.  
Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.  
Prevent further leakage or spillage if safe to do so.  
Local authorities should be advised if significant spillages cannot be contained.

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

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours or spray mist.  
Avoid contact with skin and eyes.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|                |                              |   |                           |
|----------------|------------------------------|---|---------------------------|
| Version<br>2.1 | Revision Date:<br>13.07.2021 | Date of last issue: 06.05.2020<br>Date of first issue: 21.03.2016 | Print Date:<br>13.07.2021 |
|----------------|------------------------------|---|---------------------------|

For personal protection see section 8.  
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Wash hands and face before breaks and immediately after handling the product.  
Do not get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
Do not ingest.  
Do not repack.  
Do not re-use empty containers.  
These safety instructions also apply to empty packaging which may still contain product residues.  
Keep container closed when not in use.

Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.

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

Requirements for storage areas and containers : Store in original container. Keep container closed when not in use. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.

Protect from frost.

### 7.3 Specific end use(s)

Specific use(s) : Specific instructions for handling, not required.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name  | End Use | Exposure routes | Potential health effects | Value                  |
|---|---------|-----------------|--------------------------|------------------------|
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | Workers | Inhalation      | Long-term local effects  | 0,02 mg/m <sup>3</sup> |
|   | Workers | Inhalation      | Acute local effects      | 0,04 mg/m <sup>3</sup> |

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

Version 2.1      Revision Date: 13.07.2021      Date of last issue: 06.05.2020      Print Date: 13.07.2021  
Date of first issue: 21.03.2016

| Substance name  | Environmental Compartment                            | Value        |
|---|--|--------------|
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | Fresh water  | 0,00339 mg/l |
|   | Marine water   | 0,00339 mg/l |
|   | Microbiological Activity in Sewage Treatment Systems | 0,23 mg/l    |
|   | Fresh water sediment                                 | 0,027 mg/kg  |
|   | Marine sediment                                      | 0,027 mg/kg  |
|   | Soil   | 0,01 mg/kg   |

### 8.2 Exposure controls

#### Engineering measures

Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : Safety glasses with side-shields

#### Hand protection

Material : butyl-rubber  
Break through time : > 10 min  
Protective index : Class 1

Remarks : For prolonged or repeated contact use protective gloves. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.  
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Filter type A-P

Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|                |                              |   |                           |
|----------------|------------------------------|---|---------------------------|
| Version<br>2.1 | Revision Date:<br>13.07.2021 | Date of last issue: 06.05.2020<br>Date of first issue: 21.03.2016 | Print Date:<br>13.07.2021 |
|----------------|------------------------------|---|---------------------------|

Appearance : liquid

Colour : white

Odour : characteristic

Odour Threshold : No data available

  

pH : 7,2 (20 °C)  
Concentration: 100 %

Melting point/range : No data available

Boiling point/boiling range : 100 °C

Flash point : does not flash

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : ca. 23 hPa (20 °C)

Relative vapour density : No data available

Relative density : 1 (20 °C)  
Reference substance: Water  
The value is calculated

Density : 1,00 g/cm<sup>3</sup>  
(20 °C)

Bulk density : No data available

Solubility(ies)  
Water solubility : soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

Viscosity  
Viscosity, dynamic : No data available  
Viscosity, kinematic : 21 mm<sup>2</sup>/s (40 °C)  
Explosive properties : Not explosive  
Oxidizing properties : No data available

### 9.2 Other information

Flammability (liquids) : Will not burn  
Sublimation point : No data available  
Metal corrosion rate : Not corrosive to metals  
Self-ignition : No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : No conditions to be specially mentioned.

### 10.5 Incompatible materials

Materials to avoid : No materials to be especially mentioned.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Product:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

Acute oral toxicity : Remarks: This information is not available.

Acute inhalation toxicity : Remarks: This information is not available.

Acute dermal toxicity : Symptoms: Redness, Local irritation

### Components:

#### **bronopol (INN):**

Acute oral toxicity : LD50 (Rat): 305 mg/kg

Acute dermal toxicity : LD50 (Rat): 1.600 mg/kg  
Method: OECD Test Guideline 402

#### **dodecylguanidine monohydrochloride:**

Acute oral toxicity : LD50 (Rat): Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat): Test atmosphere: dust/mist  
Assessment: The component/mixture is highly toxic after short term inhalation.

#### **2-methylisothiazol-3(2H)-one:**

Acute oral toxicity : LD50 Oral (Rat): > 50 mg/kg  
Symptoms: Pain, Stomach/intestinal disorders

Remarks: Toxic if swallowed.

Acute inhalation toxicity : LC50 (Rat): 0,11 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Remarks: Risk of delayed pulmonary oedema.  
Effects of breathing high concentrations of vapour may include:

Very toxic by inhalation.  
Irritating to respiratory system.

Symptoms: Local irritation, Respiratory disorders, Inhalation may provoke the following symptoms:

Acute dermal toxicity : LD50 Dermal (Rabbit, female): 326 mg/kg

Remarks: Very toxic in contact with skin.

Symptoms: Blistering, Redness, Local irritation

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

Acute oral toxicity : LD50 (Rat): 66 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : LC50 (Rat): 0,33 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes

Assessment: Corrosive to the respiratory tract.

Acute dermal toxicity : LD50 (Rabbit): 87,12 mg/kg

### Skin corrosion/irritation

#### Product:

Remarks : This information is not available.

#### Components:

##### bronopol (INN):

Species : Rabbit  
Assessment : Irritating to skin.  
Result : Irritating to skin.

##### dodecylguanidine monohydrochloride:

Assessment : Causes burns.  
Result : Causes burns.

##### 2-methylisothiazol-3(2H)-one:

Species : Rabbit  
Result : Causes burns.

Remarks : Causes skin burns.

### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

Result : Corrosive after 1 to 4 hours of exposure

### Serious eye damage/eye irritation

#### Product:

Remarks : This information is not available.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

### Components:

#### **bronopol (INN):**

Species : Rabbit  
Assessment : Risk of serious damage to eyes.  
Result : Risk of serious damage to eyes.

#### **2-methylisothiazol-3(2H)-one:**

Remarks : Acute eye irritation/corrosion  
Causes eye burns.

#### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Assessment : Corrosive  
Result : Corrosive

### **Respiratory or skin sensitisation**

#### Product:

Remarks : This information is not available.

### Components:

#### **2-methylisothiazol-3(2H)-one:**

Species : Rabbit  
Assessment : May cause sensitisation by skin contact.

#### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Species : Guinea pig  
Assessment : The product is a skin sensitiser, sub-category 1A.  
Result : The product is a skin sensitiser, sub-category 1A.

### **Germ cell mutagenicity**

#### Product:

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

### Components:

#### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

### Carcinogenicity

#### Product:

Remarks : No data available

#### Components:

#### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Carcinogenicity - Assessment : Did not show carcinogenic effects in animal experiments.

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

#### Components:

#### **bronopol (INN):**

Reproductive toxicity - Assessment : No toxicity to reproduction

#### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Reproductive toxicity - Assessment : No toxicity to reproduction  
Did not show teratogenic effects in animal experiments.

### STOT - single exposure

#### Components:

#### **bronopol (INN):**

Exposure routes : Inhalation  
Target Organs : Respiratory organs  
Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

#### **2-methylisothiazol-3(2H)-one:**

Assessment : May cause respiratory irritation.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

### STOT - repeated exposure

#### Components:

#### bronopol (INN):

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Repeated dose toxicity

#### Product:

Remarks : This information is not available.

### Aspiration toxicity

#### Product:

This information is not available.

#### Components:

#### bronopol (INN):

This information is not available.

### Further information

#### Product:

Remarks : Information given is based on data on the components and the toxicology of similar products.

#### Components:

#### 2-methylisothiazol-3(2H)-one:

Remarks : Ingestion causes burns of the upper digestive and respiratory tracts.

---

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

Toxicity to microorganisms :  
Remarks: No data available

### Components:

#### **bronopol (INN):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 1,04 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Anabaena flos-aquae (cyanobacterium)): 0,068 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Anabaena flos-aquae (cyanobacterium)): 0,0025 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 10

Toxicity to microorganisms : EC50 (activated sludge): 43 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

Toxicity to fish (Chronic toxicity) : NOEC: 2,61 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,06 mg/l  
Exposure time: 21 d  
Species: Daphnia (water flea)  
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : 1

### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

#### **dodecylguanidine monohydrochloride:**

M-Factor (Acute aquatic toxicity) : 10

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.  
Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### 2-methylisothiazol-3(2H)-one:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,85 mg/l  
Exposure time: 48 h  
Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 0,072 mg/l  
Exposure time: 72 h  
M-Factor (Acute aquatic toxicity) : 10  
M-Factor (Chronic aquatic toxicity) : 1

### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

Toxicity to fish : EC50 (Oncorhynchus mykiss (rainbow trout)): 0,19 mg/l  
Exposure time: 96 h  
Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,16 mg/l  
Exposure time: 48 h  
Toxicity to algae/aquatic plants : EC50 (Skeletonema costatum (marine diatom)): 0,0063 mg/l  
Exposure time: 72 h  
M-Factor (Acute aquatic toxicity) : 100  
Toxicity to fish (Chronic toxicity) : NOEC: 0,098 mg/l  
Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 210  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,004 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Test Type: Reproduction Test  
Method: OECD Test Guideline 211  
M-Factor (Chronic aquatic toxicity) : 100

## 12.2 Persistence and degradability

### Product:

Biodegradability : Remarks: No data available



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

Physico-chemical removability : Remarks: No data available

### Components:

#### **bronopol (INN):**

Biodegradability : Result: Biodegradable  
Method: OECD Test Guideline 301B

#### **2-methylisothiazol-3(2H)-one:**

Biodegradability : Result: Readily biodegradable.

#### **reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):**

Biodegradability : Result: Not rapidly biodegradable

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

### Components:

#### **bronopol (INN):**

Bioaccumulation : Bioconcentration factor (BCF): 3,16

Partition coefficient: n-octanol/water : log Pow: 0,22 (20 °C)  
pH: 5,6 - 6,5  
Method: OECD Test Guideline 107  
GLP: yes

#### **2-methylisothiazol-3(2H)-one:**

Partition coefficient: n-octanol/water : log Pow: -0,486

### 12.4 Mobility in soil

#### Product:

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : No information on ecology is available.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not dispose of with domestic refuse.  
Dispose of as hazardous waste in compliance with local and national regulations.

Waste codes should be assigned by the user based on the application for which the product was used.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.  
Dispose of waste product or used containers according to local regulations.

The following Waste Codes are only suggestions:

Waste Code : used product, unused product  
08 01 19\*, aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances  
  
uncleaned packagings  
15 01 10, packaging containing residues of or contaminated by hazardous substances

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

Version  
2.1

Revision Date:  
13.07.2021

Date of last issue: 06.05.2020  
Date of first issue: 21.03.2016

Print Date:  
13.07.2021

### SECTION 14: Transport information

#### 14.1 UN number

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.2 UN proper shipping name

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.4 Packing group

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Cargo) : Not regulated as a dangerous good  
IATA (Passenger) : Not regulated as a dangerous good

#### 14.5 Environmental hazards

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Passenger) : Not regulated as a dangerous good  
IATA (Cargo) : Not regulated as a dangerous good

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks : Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
- REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
- Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
- Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable
- Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable
- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 0,5 %

#### Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

Act of 25 February 2011 on chemical substances and their mixtures (i.e. Journal of Laws of 2019, No. 0, item 1225)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union L 353 from 31.12.2008) with further adaptation to technical progress (ATP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union L 396 from 30.12.2006, as amended).

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Ordinance of the Minister of Health of 10 August 2012 concerning the criteria and procedure of classification of chemical substances and their mixtures (consolidated text Dz. U. of 2015., pos. 208).

Ordinance of the Minister of Economy, Labour and Social Policy of 21st December 2005 concerning the basic requirements for personal protective equipment (Dz. U. Nr. 259, item 2173).

Ordinance of the Minister of Labour and Social Policy of 12 June 2018 concerning the highest allowable concentrations and levels of the agents harmful for health in the workplace (Dz.U 2018 pos 1286, with later amendments).

Ordinance of the Minister of Health of 2nd February 2011 concerning tests and measurement of agents harmful for health in the workplace (Dz. U. Nr. 33, item 166 wraz z późn. zm.).

Ordinance of the Minister of Health of 30th December 2004 on the health and safety of workers related to chemical agents at work (Dz. U. from 2005, Nr. 11, item 86, as amended).

Act of 14 December 2012. on Waste (Journal of Laws of 2013. pos. 21, as amended).

Act of 13 June 2013. On packaging and packaging waste Journal. U. of 2013. Item. 888, as amended).

Ordinance of the Minister of Climate of 2nd January 2020 on Waste Catalog (Dz. U. 2020 item 10).

Ordinance of the Minister of Environment on the requirements for carrying out the process of thermal treatment of waste and how to deal with waste produced in the process. (Dz. U. of 2016., Pos. 108)

Act of 19 August 2011 on transport of dangerous goods (Dz. U. Nr. 227, item 1367, as amended).

Government Statement of 18 February 2019 on enforcing of changes Annexes A and B of European Agreement concerning international transport of dangerous goods by road (ADR) (Dz. U. 2019, item 769).

Ordinance of the Minister of Health of 20th April 2012 concerning labeling of containers of dangerous substances and dangerous mixtures and some mixtures ((consolidated text) Dz. U. z 2015 nr. 0 poz. 450).

Ordinance of the Minister of Health of 11th June 2012 concerning categories of dangerous substances and dangerous mixtures for which containers must be fitted with child-resistant fastenings and a tactile warning of danger (Dz. U. from 2012, item 688 as amended).

### 15.2 Chemical safety assessment

This information is not available.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

### SECTION 16: Other information

#### Full text of H-Statements

H301 : Toxic if swallowed.  
H302 : Harmful if swallowed.  
H310 : Fatal in contact with skin.  
H311 : Toxic in contact with skin.  
H312 : Harmful in contact with skin.  
H314 : Causes severe skin burns and eye damage.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H330 : Fatal if inhaled.  
H335 : May cause respiratory irritation.  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet;

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - PL



## OKS 575

|         |                |                                 |             |
|---------|----------------|---------------------------------|-------------|
| Version | Revision Date: | Date of last issue: 06.05.2020  | Print Date: |
| 2.1     | 13.07.2021     | Date of first issue: 21.03.2016 | 13.07.2021  |

SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Skin Sens. 1

H317

#### Classification procedure:

Calculation method

This safety data sheet applies only to products as originally packed and labelled. The information contained therein may not be reproduced or modified without our express written permission. Any forwarding of this document is only permitted to the extent required by law. Any further, in particular public, dissemination of the safety data sheet (e.g. as a document for download from the Internet) is not permitted without our express written consent. We provide our customers with amended safety data sheets as prescribed by law. The customer is responsible for passing on safety data sheets and any amendments contained therein to its own customers, employees and other users of the product. We provide no guarantee that safety data sheets received by users from third parties are up-to-date. All information and instructions in this safety data sheet have been compiled to the best of our knowledge and are based on the information available to us on the day of publication. The information provided is intended to describe the product in relation to the required safety measures; it is neither an assurance of characteristics nor a guarantee of the product's suitability for particular applications and does not justify any contractual legal relationship. The existence of a safety data sheet for a particular jurisdiction does not necessarily mean that import or use within that jurisdiction is legally permitted. If you have any questions, please contact your responsible sales contact or authorized trading partner.