

Safety Data Sheet

according to Regulation (EC) No 1907/2006

INWACIDE C-3620

Revision date: 20.08.2018

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

1.1. Product identifier

INWACIDE C-3620

Product code:

20161007C3620

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

Use of the substance/mixture

Water treatment chemicals

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: INWATEC GmbH & Co. KG

Street: Römerstr. 131 - 133

Place: D-50127 Bergheim

Telephone: +49 2271-99551 - 0

Telefax: +49 2271 – 99551-50

e-mail (Contact person): info@inwatec.com

Internet: www.inwatec.com

Responsible Department: .

1.4. Emergency telephone number:

+49 (0) 2271 – 99551 - 0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Serious eye damage / eye irritation: Eye damage. 1

Hazardous to the aquatic environment: Aqu. acute 1

Hazard statements:

Causes serious eye damage.

Very good for aquatic organisms.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Bronopol (INN); 2-Brom-2-nitropropan-1,3-diol

Signal word: Danger

Pictograms:



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Hazard statements

H318 Causes serious eye damage.
H400 Very toxic to aquatic organisms.

Precautionary statements

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 possible. Continue rinsing.

Additional advice on labelling

The product is classified and labelled according to EC directives or corresponding national laws.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Formulation of preparations (mixtures)

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
52-51-7	Bronopol			< 25
	200-143-0	603-085-00-8		
	Acute Tox. 4, Acute Tox. 4, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1 (M-Faktor = 10); H312 H302 H335 H315 H318 H400			

Full text of H and EUH statements: see section 16.

Further Information

No information available.

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

Remove contaminated, saturated clothing immediately.

After inhalation

Move victim to fresh air. Instruct person to keep calm and warm.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person or a person with cramps.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water. Foam. ABC powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In the event of a fire: Nitrogen oxides (NO_x). Hydrogen chloride (HCl). Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Take up mechanically, placing in appropriate containers for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Further information on handling

No special handling instructions are necessary.

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7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Conditions to avoid: frost.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
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Additional advice on limit values

No information available.

8.2. Exposure controls

Appropriate engineering controls

No information available.

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Passenger-LQ

Skin protection

No information available.

Respiratory protection

No information available.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: light yellow
 Odour: characteristic

Test method

pH-Value (at 20 °C): 3 - 5 DIN 19268

Changes in the physical state

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Melting point: - 2 °C DIN 51556
 Initial boiling point and boiling range: > 100 °C ASTM D 1120
 Density (at 25 °C): ca. 1,0 g/cm³ DIN 12809

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Oxidizing agents. Alkali metals. Acid. Reducing agent. Alkalis (alkalis).

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidizing agents. Alkali metals. Acid. Reducing agent. Alkalis (alkalis).

10.6. Hazardous decomposition products

No information available.

Further information

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicocinetics, metabolism and distribution

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
52-51-7	Sodium chlorite solution ...% Cl active			
	oral	ATE 500 mg/kg	.	.
	dermal	ATE 1.100 mg/kg	.	.
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Irritation and corrosivity

Causes serious eye damage.

Skin corrosion / irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Due to available data the classification criteria are not met.

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12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

Further information

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Waste key product: Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.A.G.
Contains: Bronopol

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9

Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

Hazard No:

.

Tunnel restriction code:

-

Inland waterways transport (ADN)

14.1. UN number:

UN 3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.A.G.
Contains: Bronopol

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9

Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L

Excepted quantity:

E1

Marine transport (IMDG)

14.1. UN number:

UN 3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.A.G.
Contains: Bronopol

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9

Special Provisions:

274, 335, 969

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Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.A.G.
Contains: Bronopol
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9
Special Provisions: A97 A158 A197
Limited quantity Passenger: 30 kg G
Passenger LQ: Y964
Excepted quantity: E1
IATA-packing instructions - Passenger: 964
IATA-max. quantity - Passenger: 450 L
IATA-packing instructions - Cargo: 964
IATA-max. quantity - Cargo: 450 L
Danger releasing substance: .

14.6. Special precautions for user

ENVIRONMENTALLY HAZARDOUS: yes

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

Other applicable information

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

No information available.

National regulatory information

Water contaminating class (D): 2 –water contaminating
Biocide registry number: N-70168

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H302	Harmful 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 organisms.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)