

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.03.2020

Version number 11

Revision: 16.03.2020

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

- **1.1 Product identifier**
- **Trade name: BESSEMER AQUA SUPER**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages**
PW Widespread use by professional workers
C Consumer use
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU21 Consumer uses: Private households / general public / consumers
- **Product category** PC9a Coatings and paints, thinners, paint removers
- **Process category**
PROC10 Roller application or brushing
PROC11 Non industrial spraying
- **Environmental release category**
ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
- **Technical function** Plating agent
- **Application of the substance / the mixture**
Roof coating
Coating compound/ Surface coating/ paint
Coating material
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Amonn Coatings GmbH
An der Landesbahn 7
A-2100 Korneuburg
Tel.: +43 2262 735 80 - Fax.: +43 2262 735 80-19
- **Distributor:**
J.F. Amonn s.r.l./GmbH
I-39100 Bolzano/Bozen
Via Altmann 12 Altmannstraße
Tel.: +39 0471 904-911 - Fax.: +39 0471 910-449
- **Informing department:** E-Mail: verkauf@amonn.at
- **1.4 Emergency telephone number:**
Poison information center Austria: Phone: +43 1 406 43 43
National Poisons Information Service (NPIS)
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111
In N Ireland: Contact your local GP or pharmacist during normal hours; [click here](http://www.gpoutofhours.hscni.net/)
(www.gpoutofhours.hscni.net/) for GP services Out-of-Hours.
In Republic of Ireland: 01 809 2166
Centro Antiveneni - Ospedale di Niguarda - Milano: +39 02 66101029

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**
EUH208 Contains mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1). May produce an allergic reaction.

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

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 1-2119475108-36	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	3-7%
CAS: 52-51-7 EINECS: 200-143-0	bronopol (INN) Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335	<0.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Seek immediate medical advice.
- **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, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Dilute with much water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store in well closed containers in a cool, well ventilated area. Direct sunshine should be avoided.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class** 10
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

111-76-2 2-butoxyethanol (3-7%)

WEL	Short-term value: 246 mg/m ³ , 50 ppm
	Long-term value: 123 mg/m ³ , 25 ppm
	Sk, BMGV

- **DNELs**

111-76-2 2-butoxyethanol

Oral	Long-term exposure, systemic effects	6.3 mg/kg bw/day (Ver)
	Acute, systemic effects	26.7 mg/kg/day (Ver)
Dermal	Long-term exposure, systemic effects	125 mg/kg bw/day (Arb)
	Acute, systemic effects	75 mg/kg bw/day (Ver)
Inhalative	Acute, systemic effects	89 mg/kg/day (Arb)
	Long-term exposure, systemic effects	89 mg/kg/day (Ver)
	Acute, systemic effects	98 mg/m ³ (Arb)
	Acute, local effects	59 mg/m ³ (Ver)
	Acute, systemic effects	1,091 mg/m ³ (Arb)
	Acute, local effects	426 mg/m ³ (Ver)
	Acute, local effects	246 mg/m ³ (Arb)
	Acute, local effects	147 mg/m ³ (Ver)

- **PNECs**

111-76-2 2-butoxyethanol

PNEC	8.8 mg/l (freshwater)
	0.88 mg/l (Marine Water)
	463 mg/l (sewage treatment plant microorganisms)
	9.1 mg/l (sporadic release)
PNEC	2.33 mg/kg (soil)
	34.6 mg/kg (sediment, freshwater)
	20 mg/kg (secondary poisoning)
	3.46 mg/kg (sediment, marine water)

- **Ingredients with biological limit values:**

111-76-2 2-butoxyethanol (3-7%)

BMGV	240 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: butoxyacetic acid

- **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**
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Use breathing protection in case of insufficient ventilation.

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- **Protection of hands:**

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

- **Material of gloves**

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.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses recommended during refilling.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid

Colour: According to product specification

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value at 20 °C:** 8.5

- **Change in condition**

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 100 °C

- **Flash point:** 67 °C

- **Inflammability (solid, gaseous)** Not applicable.

- **Ignition temperature:** 230 °C

- **Decomposition temperature:** Not determined.

- **Self-inflammability:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive.

- **Critical values for explosion:**

Lower: Not determined.

Upper: Not determined.

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 20 °C** 1.30 - 1.45 g/cm³

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

Water: Fully miscible

- **Partition coefficient: n-octanol/water:** Not determined.

- **Viscosity:**

dynamic: Not determined.

kinematic at 20 °C: 55 - 80 s (DIN 6 mm)

- **Solvent content:**

Organic solvents: 6.0 - 7.0 %

Water: 28.0 - 32.0 %

Solids content: 60.0 - 64.0 %

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- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

111-76-2 2-butoxyethanol

Oral	LD50	1,746 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (cavy)
Inhalative	LC50/4 h	2.1-20 mg/l (rat)

52-51-7 bronopol (INN)

Oral	LD50	305 mg/kg (rat)
Dermal	LD50	1,100 mg/kg (ATE)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**

111-76-2 2-butoxyethanol

LC50 96 h	1,474 mg/l (fish)
EC50 48 h	1,550 mg/l (aquatic invertebrates)
EC50 72h	911 mg/l (Alga)
EC50 21 d	297 mg/l (aquatic invertebrates)
ErC50 72 h	1,840 mg/l (Alga)
Wachstum (EbCx) 10% 72 h	308 mg/l (Alga)
Wachstum (EbCx) 10% 21 d	134 mg/l (aquatic invertebrates)
Wachstumsrate (ErCx) 10% 72 h	679 mg/l (Alga)
NOEC 72 h	88 mg/l (Alga)
NOEC 21 d	100 mg/l (aquatic invertebrates)
	>100 mg/l (fish)

52-51-7 bronopol (INN)

EC50 48 h	1.04 mg/l (aquatic invertebrates)
EC50 72h	0.068 mg/l (Alga)

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LC50 4 d (dynamic)	3 mg/l (fish)
NOEC 72 h	0.0025 mg/l (Alga)
NOEC 21 d	0.06 mg/l (aquatic invertebrates)
NOEC 28 d	2.61 mg/l (fish)

- **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 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it 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.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number
· ADR, IMDG, IATA
· ADN | UN-
Void |
| · 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards:
· Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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- **National regulations**
- **Technical instructions (air):**

Class	Share in %
Wasser	30.0
NK	6.9

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Relevant phrases**

H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

- **Department issuing data specification sheet:** Environment protection department.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Acute Tox. 4: Acute toxicity - oral – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- *** Data compared to the previous version altered.**

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