

# Summary of product characteristics for a biocidal product

**Product name:** BG Kupfersulfat 24 -NOT YET AUTHORISED FOR UK

**Product type(s):** PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)

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**Authorisation number:** UK-2018-1140

**R4BP 3 asset reference number:** UK-0019343-0001

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## Administrative information

### 1.1. Trade names of the product

activa Algenstop1 -NOT YET AUTHORISED FOR UK
KI KA IBA Algen Control 1 --NOT YET AUTHORISED FOR UK
Kölle's Beste! Algen-Killer Teich - -NOT YET AUTHORISED FOR UK

### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	Soell GmbH
	Address	Fuhrmannstraße 6 95030 Hof Germany
<b>Authorisation number</b>	UK-2018-1140 1-1	

<b>R4BP 3 asset reference number</b>	UK-0019343-0001
<b>Date of the authorisation</b>	27/07/2018
<b>Expiry date of the authorisation</b>	29/06/2028

### 1.3. Manufacturer(s) of the biocidal products

<b>Name of the manufacturer</b>	Söll GmbH
<b>Address of the manufacturer</b>	Fuhrmannstrasse 6 95030 Hof Germany
<b>Location of manufacturing sites</b>	Fuhrmannstrasse 6 95030 Hof Germany

#### 1.4. Manufacturer(s) of the active substance(s)

<b>Active substance</b>	1276 - Copper sulphate pentahydrate
<b>Name of the manufacturer</b>	Manica S.P.A
<b>Address of the manufacturer</b>	Via all'Adige 4 IT-38068 ROVERETO (Trento) Italy
<b>Location of manufacturing sites</b>	Via all'Adige 4 IT-38068 ROVERETO (Trento) Italy

## 2. Product composition and formulation

### 2.1. Qualitative and quantitative information on the composition of the biocidal product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Copper sulphate pentahydrate		Active Substance	7758-99-8	231-847-6	0.95
Water	Water		7732-18-5	231-791-2	98.8983
Sulfuric Acid	Sulfuric Acid		7664-93-9	231-639-5	0.15
Boric Acid	Boric Acid		10043-35-3	233-139-2	0
Methyl Orange	Sodium-4-(4-dimethylaminophenylazo)benzolsulfonate		547-58-0	208-925-3	0.0012
Metanil Yellow	Sodium-3-(p-anilinophenylazo)benzol sulfonate		587-98-4	209-608-2	0.0005
Patent blue V sodium salt	Hydrogen(4-(4-(diethylamino)-5'-hydroxy-2',4'-disulfonatobenzhydrylide n)cyclohexa-2,5-dien-1-yliden)diethylammonium, Monosodiumsalt		20262-76-4	243-654-4	0
Trilon B Powder	Tetrasodiummethylenediamin tetraacetate		64-02-8	200-573-9	0

### 2.2. Type of formulation

SL - Soluble concentrate

### 3. Hazard and precautionary statements

#### Hazard statements

Toxic to aquatic life with long lasting effects.

#### Precautionary statements

Keep out of reach of children.

Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER if you feel unwell.

Collect spillage.

Dispose of contents to in accordance with national regulations.

### 4. Authorised use(s)

#### 4.1 Use description

##### Use 1 - Artificial Ponds (Non-professional use)

#### Product type

PT02 - Disinfectants and algacides not intended for direct application to humans or animals (Disinfectants)

#### Where relevant, an exact description of the authorised use

Growth inhibition of algae in artificial ponds.  
Ponds are artificial, man-made ponds with medium depth and without forming a stable temperature stratification. Depending on the making, an inlet and outlet can exist, usually as an artificial brook or in the shape of an artificial watercourse. The sealing to the substrate is usually made by foils, sometimes by concrete or glass-fibre constructions.

#### Target organism(s) (including development stage)

Cyanobacteria-Blue-green algae-  
unicellular green algae-

#### Field(s) of use

Outdoor

Outdoors  
Artificial ponds

#### Application method(s)

Manual application -  
Dilution by pouring into water

See number and timing of applicaitons below. - See number and timing of applicaitons

**Application rate(s) and frequencies**

below. -  
Unicellular green algae:  
Min: 50ml/1000L water (0.005%)  
Max: 60ml/1000L water (0.006%)  
One application on one day  
Repetition: After 2 or 3 weeks if necessary

Blue-green algae:  
Min: 3.9ml/1000L (0.00039%)  
Max: 25ml/1000L (0.0025%)  
One application per day on 5 successive days  
Repetition: Repeat the same treatment after 2 or 3 weeks if necessary

**Category(ies) of users**

General public (non-professional)

**Pack sizes and packaging material**

Bottle (HDPE, PET): 250ml, 500ml, 1L  
Canister (HDPE, PE): 2,5L, 3L, 5L, 10L  
Closure (bottle, canister): PP

**4.1.1 Use-specific instructions for use**

Use only when assessment of algae infestation and pond parameters indicate, that all non-chemical algae control measures, e.g. (partial) water exchange, mechanical algae removal and regular filter cleaning are not sufficient to give effective algae control. The product has to be distributed equally in the whole pond (e.g. by diluting the required amount of product with pond water in a watering can prior to application).  
To control growth of algae, add a single dose of 50 - 60 ml product per 1000 L pond water. To specifically control growth of green algae, add a single dose of 50 - 60 ml product per 1000 L pond water. To specifically control growth of blue-green algae (cyanobacteria), add 3.9 – 25 ml product per 1000 L pond water per day on five successive days. If repetition is required after 2-3 weeks the same treatment should be followed for either green algae or blue-green algae (cyanobacteria).

**4.1.2 Use-specific risk mitigation measures**

Keep out of reach of children.

Animals from treated water shall not be consumed.

The product can be toxic to certain fish species and invertebrates.

No preventive use of the biocidal product.

Release of treated water to surface waters is not permitted.

**4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

See General Directions for use

**4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging**

See General Directions for use

**4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

See General Directions for use

**4.2 Use description**

**Use 2 - Artificial Ponds (professional use)**

<b>Product type</b>	PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	Growth inhibition of algae in artificial ponds. Ponds are artificial, man-made ponds with medium depth and without forming a stable temperature stratification. Depending on the making, an inlet and outlet can exist, usually as an artificial brook or in the shape of an artificial watercourse. The sealing to the substrate is usually made by foils, sometimes by concrete or glass-fibre constructions.
<b>Target organism(s) (including development stage)</b>	Cyanobacteria-Blue-green algae- unicellular green algae-

**Field(s) of use**



<b>Application method(s)</b>	<p>Outdoor</p> <p>Outdoors Artificial ponds</p> <p>Manual application - Dilution by pouring into water</p>
<b>Application rate(s) and frequencies</b>	<p>See number and timing of applicaitons below. - See number and timing of applicaitons below. -</p> <p>Unicellular green algae: 50ml/1000L water (0.005%) One application on one day Repetition: After 2 weeks if necessary</p> <p>Blue-green algae: Min: 3.9ml/1000L (0.00039%) Max: 10ml/1000L (0.001%) One application per day on 5 successive days Repetition: Repeat the same treatment after 2 weeks if necessary</p>
<b>Category(ies) of users</b>	<p>Professional</p>
<b>Pack sizes and packaging material</b>	<p>Bottle (HDPE): 1L</p> <p>Canister (HDPE, PE): 5L, 10L</p> <p>Drum (HDPE): 50L, 100L</p> <p>Cap (bottles, canisters): PP</p> <p>Lid (drums): PE</p>

#### 4.2.1 Use-specific instructions for use

Use only when assessment of algae infestation and pond parameters indicate, that all non-chemical algae control measures, e.g. (partial) water exchange, mechanical algae removal and regular filter cleaning are unsuitable to give sufficient algae control. The product has to be distributed equally in the whole pond (e.g. by diluting the required amount of product with pond water in a watering can prior to application).  
To control growth of green algae, add a single dose of 50 ml product per 1000 L pond water. To control growth of blue-green algae (cyanobacteria), add 3.9 – 10 ml product per 1000 L pond water per day on five successive days. If repetition is required after 2 weeks the same treatment should be followed for either green algae or blue-green algae (cyanobacteria).

#### 4.2.2 Use-specific risk mitigation measures

Animals from treated water shall not be consumed.

The product can be toxic to certain fish species and invertebrates.

No preventive use of the biocidal product.

Release of treated water to surface waters is not permitted.

#### 4.2.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

See General Directions for Use

#### 4.2.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

See General Directions for Use

#### 4.2.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

See General Directions for Use

### 4.3 Use description

#### Use 3 - Artificial Fountain

<b>Product type</b>	PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	Growth inhibition of algae in artificial fountains.
<b>Target organism(s) (including development stage)</b>	Cyanobacteria-blue-gree algae- Keine Angaben-unicellular green algae-
<b>Field(s) of use</b>	Indoor Outdoor  artificial fountains
<b>Application method(s)</b>	Manual application - Dilution by pouring into water
<b>Application rate(s) and frequencies</b>	See number and timing of application below. - See number and timing of application below. -  Unicellular green algae:  Min: 82ml/1000L water (0.0082%)  Max400ml/ 100L (0.4%)  One application on one day  Repetition: Weekly or every 2 weeks, if necessary, or on demand   Blue-green algae:  Min.: 39ml/1000L (0.0039%)  Max.: 400 ml/100 L (0.4%)  One application on one day  Repetition: Weekly or every 2 weeks, if necessary, or on demand

**Category(ies) of users**

General public (non-professional)

**Pack sizes and packaging material**

Bottle (HDPE): 500ml, 1L  
Canister (PE): 2,5L, 5L  
Cap (bottles, canisters): PP

**4.3.1 Use-specific instructions for use**

To control growth of algae, add 8.2 – 400 ml product per 100 L fountain water. To specifically control growth of green algae, add 8.2 – 400 ml product per 100 L fountain water. To specifically control growth of blue-green algae (cyanobacteria), add 3.9 – 400 ml product per 100 L fountain water. If repetition is required (if necessary weekly, every 2 weeks or on demand) the same treatment should be followed for either green algae or blue-green algae (cyanobacteria).

**4.3.2 Use-specific risk mitigation measures**

Keep out of reach of children.  
Release of treated water to surface waters from artificial outdoor fountains is not permitted.

**4.3.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

See General Directions for Use

**4.3.4 Where specific to the use, the instructions for safe disposal of the product and its packaging**

See General Directions for Use

**4.3.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

See General Directions for Use

**4.4 Use description**

## Use 4 - Pool

<b>Product type</b>	PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	Growth inhibition of algae in swimming pools
<b>Target organism(s) (including development stage)</b>	Cyanobacteria-blue-green algae- Keine Angabe-unicellular green algae-
<b>Field(s) of use</b>	Outdoor  Pool
<b>Application method(s)</b>	Manual application - Dilution by pouring into water
<b>Application rate(s) and frequencies</b>	See number and timing of applications below. - See number and timing of applications below. -  Unicellular green algae: Min: 8.2ml/100L water (0.0082%) Max: 10ml/100L (0.01%) One application on one day Repetition: Every 2 weeks or on demand  Blue-green algae: Min.: 3.9ml/100L (0.0039%) Max.: 10ml/100L (0.01%) One application on one day Repetition: Every 2 weeks or on demand
<b>Category(ies) of users</b>	General public (non-professional)
<b>Pack sizes and packaging material</b>	Bottle (HDPE): 1L Canister (PE): 2,5L, 5L, 10L Cap (bottles, canisters): PP

### 4.4.1 Use-specific instructions for use

Do not use in swimming pools with flocculation systems.  
To control growth of algae, add 8.2 - 10ml product per 100 L pool water. To specifically control growth of green algae, add 8.2 - 10ml product per 100 L pool water. To specifically control growth of blue-green algae (cyanobacteria), add 3.9 - 10 ml product per 100 L pool water. If repetition is required (every 2 weeks or on demand) the same treatment should be followed for either green algae or blue-green algae (cyanobacteria).

#### 4.4.2 Use-specific risk mitigation measures

Keep out of reach of children.  
Release of treated water to surface waters is not permitted.

#### 4.4.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

See General Directions for Use

#### 4.4.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

See General Directions for Use

#### 4.4.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

See General Directions for Use

### 5. General directions for use

#### 5.1. Instructions for use

Do not use at pH below 7.  
It is recommended to use the lowest dose rate which is usually sufficient to achieve the desired effect. In case of higher algal density or depending on water quality (e.g. water with high soiling) it might be required to use a higher dose rate.  
Only apply to artificial/man-made water bodies with an impermeable liner.  
Do not use the product over or in the immediate vicinity of surface water.

#### 5.2. Risk mitigation measures

None

### 5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

First aid measures:

- In case of accidental inhalation of fumes, move to fresh air. If shortness of breath/respiratory distress occurs and persist seek medical advice.
- In case of eye exposure check for and remove contact lenses, wash eyes with plenty of water maintaining eye lids open for at least 15 minutes. If eye irritation/sensitization occurs and persist seek medical advice.
- In case of skin contact wash the affected area with plenty of water without scrubbing. If skin irritation/sensitization occurs and persist seek medical advice.
- In case of ingestion wash mouth with plenty of water. If you experience severe abdominal pain or feel unwell seek medical advice.
- If necessary take the affected individual to a healthcare center and bring packaging or label whenever possible.

NEVER LEAVE THE AFFECTED INDIVIDUAL UNATTENDED!

Advice for medical and healthcare personnel:

- Symptomatic and supportive treatment.

UK medical professionals should contact the National Poisons Information Service ([www.npis.org](http://www.npis.org)) for further advice.

Avoid releases to the environment/sewer system from spillage or take up product spills using disposable dry wipes with subsequent disposal via solid waste.

### 5.4. Instructions for safe disposal of the product and its packaging

None

### 5.5. Conditions of storage and shelf-life of the product under normal conditions of storage

Storage stability: 24 months

### 6. Other information

None