Summary of product characteristics for a biocidal product

Product name: Korasit MS

Product type(s): PT08 - Wood preservatives (Preservatives)

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Authorisation number: NL-0031229-0000

R4BP 3 asset reference number: NL-0031229-0000

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Administrative information

1.1. Trade names of the product

Korasit MS
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Korasit MS
Korasit MS
KULBASAL MS

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Kurt Obermeier GmbH & Co. KG
	Address	Berghäuser Straße 70 57319 Bad Berleburg Germany
Authorisation number	NL-0031229-0000	
R4BP 3 asset reference number	NL-0031229-0000	
Date of the authorisation	02/08/2023	
Expiry date of the authorisation	02/08/2033	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Kurt Obermeier GmbH & Co. KG
Address of the manufacturer	Berghäuser Straße 70 D-57319 Bad Berleburg Germany
Location of manufacturing sites	Berghäuser Straße 70 D-57319 Bad Berleburg Germany

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

Active substance	1346 - Poly(oxy-1,2-ethanediyl), .alpha.-[2-(dide- cylmethylammonio)ethyl]- .omega.-hydroxy-, propanoate (salt) (Bardap 26)
Name of the manufacturer	Lonza Cologne GmbH
Address of the manufacturer	Nattermannallee 1 50829 Cologne Germany
Location of manufacturing sites	3500 Trenton Avenue PA-17701 Williamsport United States

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 (%)
Poly(oxy-1,2-ethanediyl), .alpha.-[2-(dide-cylmethylammonio)ethyl]-.omega.- hydroxy-, propanoate (salt) (Bardap 26)		Active Substance	94667-33-1		30
Ethylene glycol (Ethane-1,2-diol)	Ethane-1,2-diol	Non-active substance	107-21-1	203-473-3	9
Propionic acid	Propionic acid	Non-active substance	79-09-4	201-176-3	0,9

2.2. Type of formulation

SL - Soluble concentrate

3. Hazard and precautionary statements

Hazard statements	Causes severe skin burns and eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statements	Do not breathe dust.

Do not breathe fume.

Do not breathe gas.

Do not breathe mist.

Do not breathe vapours.

Do not breathe spray.

Avoid release to the environment.

Wear protective gloves.

Wear protective clothing.

Wear eye protection.

Wear face protection.

Immediately call a POISON CENTER….

Immediately call a doctor.

IF SWALLOWED:Rinse mouth.Do NOT induce vomiting.

IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN (or hair):Take off immediately all contaminated clothing.Rinse skin with water.

IF ON SKIN (or hair):Take off immediately all contaminated clothing.Rinse skin with shower.

Store locked up.

Dispose of contents to appropriate disposal.

Dispose of container to appropriate disposal.

Wash contaminated clothing before reuse.

IF INHALED:Remove person to fresh air and keep comfortable for breathing.

4. Authorised use(s)

4.1 Use description

Use 1 - Borehole treatment (filling without pressure)

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Fungicide
	Scientific name: Serpula lacrymans

Target organism(s) (including development stage)	Common name: dry rot Development stage: Hyphae
Field(s) of use	Indoor Curative treatment against Serpula lacrymans in walls (mortar). To prevent the infection of wood with fungi coming from the surrounding masonry, a curative treatment against dry rot is applied in walls (mortar). This creates a 'preventive' barrier in / on walls hindering the fungus to grow through them. Curative treatment by borehole filling without pressure should always be combined with a curative superficial treatment.
Application method(s)	Method: Borehole filling without pressure Detailed description: Borehole filling without pressure
Application rate(s) and frequencies	Application Rate: 3 kg Korasit MS/m3 masonry Dilution (%): In order to achieve the envisaged target retention of 3 kg Korasit MS/m^3 the application concentration of the treatment solution must be first of all adapted to the absorptive capacity and the moisture content of the wall material. In practice it is up to the professional and his experience to determine the required volume of treatment solution based on the prerequisites on-site. In practice the use of 8-14% dilutions will correspond to 3 kg Korasit MS/m^3. Number and timing of application: The total application rate is to be applied in 2-3 subsequent applications by filling each borehole.
Category(ies) of users	Professional
Pack sizes and packaging material	Drum, Plastic: HDPE, 10/20/60/120/200 [L] IBC (intermediate bulk container), Plastic: HDPE, 600/1000 [L] Can, Bucket, Plastic: HDPE, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L] Can, Bucket, Metal: Tin plate, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L]

4.1.1 Use-specific instructions for use

Boreholes with a diameter between 20 and 30 mm and a depth of wall thickness greater than 15 cm are made by drilling. The 8-14% dilution in water of Korasit MS has to be applied by filling through a funnel into boreholes with a low-pressure airless sprayer (the pressure is similar to pouring or even less), including a suction system and a pressure control valve. With the suction system, the product has to be sucked directly out of the mixing container. Following treatment, each borehole is sealed with mortar. After the application, the sprayer and the equipment are cleaned with water.

4.1.2 Use-specific risk mitigation measures

See general directions for use.

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 - Borehole treatment (pressure injection)

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Fungicide
Target organism(s) (including development stage)	Scientific name: Serpula lacrymans Common name: dry rot Development stage: Hyphae
Field(s) of use	Indoor Curative treatment against Serpula lacrymans in walls (mortar). To prevent the infection of wood with fungi coming from the surrounding masonry, a curative treatment against dry rot is applied in walls (mortar). This creates a ‘preventive’ barrier in / on walls hindering the fungus to grow through them. Curative treatment by borehole filling with pressure (pressure injection) should always be combined with a curative superficial treatment.
Application method(s)	Method: Borehole pressure injection Detailed description: Borehole pressure injection

Application rate(s) and frequencies	Application Rate: 3 kg Korasit MS/m3 masonry Dilution (%): In order to achieve the envisaged target retention of 3 kg Korasit MS/m³ the application concentration of the treatment solution must be first of all adapted to the absorptive capacity and the moisture content of the wall material. In practice it is up to the professional and his experience to determine the required volume of treatment solution based on the prerequisites on-site. In practice the use of 8-14% dilutions will correspond to 3 kg Korasit MS/m³. Number and timing of application: The total application rate is to be applied in 1 application by injection into each borehole.
Category(ies) of users	Professional
Pack sizes and packaging material	Drum, Plastic: HDPE, 10/20/60/120/200 [L] IBC (intermediate bulk container), Plastic: HDPE, 600/1000 [L] Can, Bucket, Plastic: HDPE, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L] Can, Bucket, Metal: Tin plate, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L]

4.2.1 Use-specific instructions for use

Boreholes with a diameter between 20 and 30 mm and a depth of wall thickness greater than 15 cm are made by drilling. A drive-in packer (injector) with check valve and a connection for the injection head has to be inserted into each borehole. The 8-14 % dilution in water of Korasit MS has to be applied by injection to the drills using an injector with an airless sprayer (8-10 bar), including a suction system, pressure control valve and a spray nozzle with mouth piece. With the suction system, the product has to be sucked directly out of the mixing container. The application rate is determined in consideration of the pressure and the duration of the valve opening. Following treatment, each borehole is sealed with mortar. After the application, the sprayer and the equipment are cleaned with water.

4.2.2 Use-specific risk mitigation measures

See general directions for use.

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 - Foam treatment

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Fungicide
Target organism(s) (including development stage)	Scientific name: Serpula lacrymans Common name: dry rot Development stage: Hyphae
Field(s) of use	Indoor Curative treatment against Serpula lacrymans in walls (mortar). To prevent the infection of wood with fungi coming from the surrounding masonry, a curative treatment against dry rot is applied in walls (mortar). This creates a 'preventive' barrier in / on walls hindering the fungus to grow through them.
Application method(s)	Method: Foam treatment Detailed description: Foam treatment
Application rate(s) and frequencies	Application Rate: 360-625 g/m² of a 8-14% solution in water (corresponding to 50 g Korasit MS/m2) Dilution (%): 8-14% Number and timing of application: The product is applied once.
Category(ies) of users	Professional
Pack sizes and packaging material	Drum, Plastic: HDPE, 10/20/60/120/200 [L] IBC (intermediate bulk container), Plastic: HDPE, 600/1000 [L]

Can, Bucket, Plastic: HDPE, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L]

Can, Bucket, Metal: Tin plate, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L]

4.3.1 Use-specific instructions for use

The 8-14% dilution in water of Korasit MS has to be applied by foaming with a low-pressure airless sprayer (4-5 bar), including a suction system, pressure control valve and a foam nozzle head with distance tube. With the suction system, the product has to be sucked directly out of the mixing container. The dilution rate of the concentrate (8-14%) has to be determined in consideration of the surface to be treated. After the application, the sprayer and the spray equipment are cleaned with water.

4.3.2 Use-specific risk mitigation measures

See general directions for use.

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 - Flow coat process (flooding)

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Fungicide
Target organism(s) (including development stage)	Scientific name: Serpula lacrymans Common name: dry rot Development stage: Hyphae
Field(s) of use	Indoor Curative treatment against Serpula lacrymans in walls (mortar). To prevent the infection of wood with fungi coming from the surrounding masonry, a curative treatment against dry rot is applied in walls (mortar). This creates a 'preventive' barrier in / on walls hindering the fungus to grow through them.
Application method(s)	Method: Flow coat (flooding) Detailed description: Flow coat (flooding)
Application rate(s) and frequencies	Application Rate: 360-625 g/m² of a 8-14% solution in water (corresponding to 50 g Korasit MS/m2) Dilution (%): 8-14% Number and timing of application: The total application rate is to be applied in 2 subsequent applications (e.g. 2 treatments of 250 g/m2 of a 10% Korasit MS solution).
Category(ies) of users	Professional
Pack sizes and packaging material	Drum, Plastic: HDPE, 10/20/60/120/200 [L] IBC (intermediate bulk container), Plastic: HDPE, 600/1000 [L] Can, Bucket, Plastic: HDPE, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L] Can, Bucket, Metal: Tin plate, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L]

4.4.1 Use-specific instructions for use

The 8-14% dilution in water of Korasit MS has to be applied by flooding with a low-pressure airless sprayer (4-5 bar), including a suction system, pressure control valve and a spray nozzle with distance tube. With the suction system, the product has to be sucked directly out of the mixing container. The dilution rate of the concentrate (8-14%) has to be determined in consideration of the surface to be treated. After the application, the sprayer and the equipment are cleaned with water.

4.4.2 Use-specific risk mitigation measures

See general directions for use.

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.

4.5 Use description

Use 5 - Brushing

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Fungicide
Target organism(s) (including development stage)	Scientific name: Serpula lacrymans Common name: dry rot Development stage: Hyphae
Field(s) of use	Indoor Curative treatment against Serpula lacrymans in walls (mortar). To prevent the infection of wood with fungi coming from the surrounding masonry, a curative treatment against dry rot is applied in walls (mortar). This creates a ‘preventive’ barrier in / on walls hindering the fungus to grow through them.

Application method(s)	Method: Brushing Detailed description: Brushing
Application rate(s) and frequencies	Application Rate: 360-625 g/m² of a 8-14% solution in water (corresponding to 50 g Korasit MS/m2) Dilution (%): 8-14% Number and timing of application: The total application rate is to be applied in 2 subsequent applications (e.g. 2 treatments of 250 g/m2 of a 10% Korasit MS solution).
Category(ies) of users	Professional
Pack sizes and packaging material	Drum, Plastic: HDPE, 10/20/60/120/200 [L] IBC (intermediate bulk container), Plastic: HDPE, 600/1000 [L] Can, Bucket, Plastic: HDPE, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L] Can, Bucket, Metal: Tin plate, 0.375/0.75/1/2/2.5/3/5/6/10/20/25/30 [L]

4.5.1 Use-specific instructions for use

The 8-14% dilution in water of Korasit MS has to be applied indoors on masonry using a brush. The dilution rate (8-14%) has to be determined in consideration of the surface to be treated. After application, clean the brush with water.

4.5.2 Use-specific risk mitigation measures

See general directions for use.

4.5.3 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.

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

See general directions for use.

4.5.5 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

Any plaster or coatings present on the wall/mortar to be treated should be removed prior to treatment. Walls/mortar to be treated should be allowed to dry prior to treatment.
When treating masonry it must be ensured that the application solution does not contaminate the environment.
The product must not be used on adjacent soil (also cellar floor / natural tamped soil).

[Only for countries, which require expert knowledge for the person who applies the product:] Application must be conducted by trained professionals only.

5.2. Risk mitigation measures

The wearing of chemical resistant gloves meeting the requirements of European Standard EN 374 is required. This is without prejudice to the application by employers of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work.

Wear a protective coverall (at least type 6, EN 13034).

The use of eye protection during handling of the product is mandatory.
Prevent contact (by the general public) to treated surfaces until dried.

Do not use on walls/mortar which may come in direct contact with food, feeding stuff and livestock animals.

Can be harmful to protected species such as bats, hornets or birds. The presence of protected species in the area to be treated must be assessed prior to use of the product. Appropriate protective measures must be taken if necessary

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

Description of first aid measures:
IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.
If symptoms: Call 112/ambulance for medical assistance.
If no symptoms: Call a POISON CENTRE or a doctor.
IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.
IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.
Self-protection of the first aider: First aider: Pay attention to self-protection!
Information to physician: Treatment: Treat symptomatically.
Indication of any immediate medical attention and special treatment needed: None
Most important symptoms and effects, both acute and delayed:
Causes severe skin burns and eye damage
Indication of any immediate medical attention and special treatment needed: None
Protective measures:
Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.
Emergency measures to protect environment in case of accident:
Environmental precautions: Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).
Methods and materials for containment and cleaning up: For cleaning up: Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.
Stability and reactivity
Reactivity: No dangerous reactions known.
Chemical stability: The product is chemically stable under recommended conditions of storage, use and temperature.
Possibility of hazardous reactions: No dangerous reactions known.
Conditions to avoid: No information available.
Incompatible materials: No information available.
Hazardous decomposition products: No information available.
Additional information: No information available

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

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate local waste disposal expert about waste disposal.
Product:
- **Appropriate disposal:** The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.
Packaging:
- **Appropriate disposal:** Handle contaminated packages in the same way as the substance itself

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

Conditions for safe storage, including any incompatibilities:
Requirements for storage rooms and vessels
Keep/Store only in original container.
Hints on joint storage
Storage class (TRGS 510): 8B
Further information on storage conditions
Store below 40°C. Protect containers against damage.
Protect against: Frost

Shelf-life: 24 months

6. Other information