

Summary of product characteristics for a biocidal product

Product name: Koranol lb

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

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Authorisation number:

R4BP 3 asset reference number: NL-0016352-0000

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Administrative information

1.1. Trade names of the product

Koranol Ib
Koranol Ib
Kulbanol IB-PM
BUZZARD Holzwurm Ex
BAUFAN Holzwurm Ex
MEYER Holzwurm Ex LH
Tex-Color Insekten-EX
Kluthe Holzwurm-Ex
PNZ Holzwurmfrei L
Embasol ID
Koranol Ib
Tex-Color Insekten-EX
Koranol Ib
Altax produkt owadobójczy
Tytan impregnat owadobójczy do drewna
Kuprafung Insect Stop
Koranol Ib

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Kurt Obermeier GmbH
	Address	Berghäuser Straße 70 57319 Bad Berleburg Germany
Authorisation number		
R4BP 3 asset reference number	NL-0016352-0000	
Date of the authorisation	06/03/2020	

Expiry date of the authorisation

06/03/2030

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer

Kurt Obermeier GmbH

Address of the manufacturer

Berghäuser Straße 70 D-57319 Bad Berleburg Germany

Location of manufacturing sites

Berghäuser Straße 70 D-57319 Bad Berleburg Germany

Name of the manufacturer

Bosshard + Co. AG

Address of the manufacturer

Ifangstrasse 97 8153 Rümlang Switzerland

Location of manufacturing sites

Ifangstrasse 97 8153 Rümlang Switzerland

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

Active substance

1342 - Permethrin

Name of the manufacturer

LANXESS Deutschland GmbH

Address of the manufacturer

Kennedyplatz 1 50569 Köln Germany

Location of manufacturing sites

Plot 306/3, II Phase GIDC Vapi 396 195 Gujarat India

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 (%)
Permethrin		Active Substance	52645-53-1	258-067-9	0,16
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics; Hydrocarbons, C11-C13, isoalkanes, <2% aromatics; Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics		Non-active substance		918-167-1	99,71

2.2. Type of formulation

AL - Any other liquid

3. Hazard and precautionary statements

Hazard statements

May be fatal if swallowed and enters airways.
 Very toxic to aquatic life with long lasting effects.
 Repeated exposure may cause skin dryness or cracking.
 Contains permethrin. May produce an allergic reaction.

Precautionary statements

If medical advice is needed, have product container or label at hand.
 Keep out of reach of children.
 Do not breathe spray.
 Do not get in eyes, on skin, or on clothing.
 Avoid release to the environment.
 IF SWALLOWED: Immediately call a POISON CENTER.
 IF SWALLOWED: Immediately call a doctor.
 Do NOT induce vomiting.
 Collect spillage.
 Store locked up.
 Dispose of contents to in accordance with all local and national regulations-

4. Authorised use(s)

4.1 Use description

Use 1 - Curative use by spraying by professionals

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: Other Common name: Wood boring beetles Development stage: Larvae
Field(s) of use	Indoor Curative wood preservation of hardwood and softwood for indoor application within the scope of an extensive curative treatment (e.g. timbered house, wooden roof frames, log house constructions).
Application method(s)	Method: Spraying Detailed description: The solvent-based RTU product is applied by spraying to wood by professional users.
Application rate(s) and frequencies	Application Rate: 250 g/m ² (328 ml/m ²) Dilution (%): 0 Number and timing of application: The application rates are to be applied in 3 subsequent applications (à 100-115 ml/m ² each) with waiting periods of 5 min each.
Category(ies) of users	Professional
Pack sizes and packaging material	Can/bucket (Tin) 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 [L] Jerry can (Tin) - 2.5 / 5 / 10 / 20 [L] Drum Sheet (steel) - 200 [L] IBC (intermediate bulk container) (Plastic: HDPE)- 600 /1000 [L]

4.1.1 Use-specific instructions for use

The product is a ready-to-use formulation and has to be applied undiluted by spraying with a low-pressure airless sprayer (0.2 L). Spraying with a low-pressure airless sprayer (4-5 bar) includes 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 original container. The application rate has to be determined in consideration of the surface to be treated. After the application, the sprayer and the spray equipment are cleaned with synthetic resin thinners or brush cleaner.

4.1.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorization holder within the product information).

Ensure adequate ventilation during application and drying time of the wood preservative. Re-use of rooms after 48 hours.

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 - Preventive use by spraying by professionals

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae

Field(s) of use	Indoor Preventive wood preservation of hardwood and softwood for indoor application (Use class 1).
Application method(s)	Method: Spraying Detailed description: The solvent-based RTU product is applied by spraying to wood by professional users.
Application rate(s) and frequencies	Application Rate: 150 g/m ² (195 ml/m ²) Dilution (%): 0 Number and timing of application: The application rates are to be applied in 2 subsequent applications (à 90-110 ml/m ² each) with waiting periods of 5 min each.
Category(ies) of users	Professional
Pack sizes and packaging material	Can/bucket, (Tin) , 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 [L] Jerry can, Tin , 2.5 / 5 / 10 / 20 [L] Drum, Sheet steel , 200 [L] IBC (intermediate bulk container), Plastic: HDPE , 600 / 1000 [L]

4.2.1 Use-specific instructions for use

The product is a ready-to-use formulation and has to be applied undiluted by spraying with a low-pressure airless sprayer (0.2 L). Spraying with a low-pressure airless sprayer (4-5 bar) includes 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 original container. The application rate has to be determined in consideration of the surface to be treated. After the application, the sprayer and the spray equipment are cleaned with synthetic resin thinners or brush cleaner.

4.2.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).

Ensure adequate ventilation during application and drying time of the wood preservative. Re-use rooms after 48 hours.

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 - Curative use by brushing/rolling by professionals

Product type

PT08 - Wood preservatives (Preservatives)

Where relevant, an exact description of the authorised use

Insecticide

Target organism(s) (including development stage)

Scientific name: Other
Common name: Wood boring beetles
Development stage: Larvae

Field(s) of use

Indoor

Outdoor

Curative wood preservation of hardwood and softwood for indoor and outdoor application within the scope of an extensive curative treatment (e.g. timbered house, wooden roof frames, log house constructions).

Application method(s)

Method: Brushing/rolling

Detailed description:

The solvent-based RTU product is applied by brushing/rolling to wood by professional users.

Application rate(s) and frequencies

Application Rate: 250 g/m² (328 ml/m²)
Dilution (%): 0
Number and timing of application:

The application rates are to be applied in 3 subsequent applications (à 100-115 ml/m² each) with waiting periods of 5 min each.

Category(ies) of users

Professional

Pack sizes and packaging material

Can/bucket (Tin) 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 [L]

Jerry can (Tin) - 2.5 / 5 / 10 / 20 [L]
Drum Sheet (steel) - 200 [L]
IBC (intermediate bulk container) (Plastic: HDPE)- 600 /1000 [L]

4.3.1 Use-specific instructions for use

Use the product undiluted and apply directly from the can.
Stir the product before application with a brush.
After application: clean with brush cleaner, white spirit or synthetic resin thinner.
Remove opaque painting systems, coatings or thick layer glazes, dust and dirt completely. Remove destroyed wood. Bare beetle borings in the remaining wood with a wire brush and remove the drilling dust. Permanently reinforce or replace statically weakened timber structures with previously impregnated wooden components.

4.3.2 Use-specific risk mitigation measures

Ensure adequate ventilation during application and drying time of the wood preservative. Re-use of rooms after 48 hours.
Do not apply near bodies of surface water or in the area of water protection zones.
For outdoor in-situ treatment, cover the ground with a tarpaulin to prevent any emission to the terrestrial compound.

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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 - Preventive use by brushing/rolling by professionals

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae
Field(s) of use	Indoor Preventive wood preservation of hardwood and softwood for indoor application (Use class 1).
Application method(s)	Method: Spraying Detailed description: The solvent-based RTU product is applied by brushing/rolling to wood by professional users.
Application rate(s) and frequencies	Application Rate: 150 g/m ² (195 ml/m ²) Dilution (%): 0 Number and timing of application: The application rates are to be applied in 2 subsequent applications (à 90-110 ml/m ² each) with waiting periods of 5 min each.

Category(ies) of users

Professional

Pack sizes and packaging material

Can/bucket, (Tin) , 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 [L]
Jerry can, Tin , 2.5 / 5 / 10 / 20 [L]
Drum, Sheet steel , 200 [L]
IBC (intermediate bulk container), Plastic: HDPE , 600 / 1000 [L]

4.4.1 Use-specific instructions for use

Use the product undiluted and apply directly from the can.
Stir the product before application with a brush.
After application: clean with brush cleaner, white spirit or synthetic resin thinner.
Remove opaque painting systems, coatings or thick layer glazes, dust and dirt completely.

4.4.2 Use-specific risk mitigation measures

Ensure adequate ventilation during application and drying time of the wood preservative. Re-use rooms after 48 hours.

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 - Curative use by borehole filling without pressure by professionals

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: other Common name: Wood boring beetles Development stage: Larvae
Field(s) of use	Indoor Outdoor Curative wood preservation of hardwood and softwood for indoor and outdoor application within the scope of an extensive curative treatment (e.g. timbered house, wooden roof frames, log house constructions).
Application method(s)	Method: Borehole filling without pressure Detailed description: The solvent-based RTU product is used for borehole treatment (borehole flooding without pressure) by filling (without pressure) by professional users.
Application rate(s) and frequencies	Application Rate: approx. 10 kg/m ³ Dilution (%): 0 Number and timing of application: The application rate is to be applied in 3 subsequent applications by filling each borehole three times with approx. 20 ml product (7 ml per borehole and filling). Waiting periods of 30 min after each filling. Distance of boreholes: 20 cm horizontal 10 cm vertical Curative treatment by borehole filling without pressure should always be combined with a curative superficial treatment (either brushing/rolling or spraying) at an application rate of 250 g/m ² (328 ml/m ²) to ensure efficacy. This application rate is to be applied in 3 subsequent applications (à 100-115 ml/m ² each) with waiting periods of 5 min each.

Category(ies) of users

Professional

Pack sizes and packaging material

Can/bucket, Tin , 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 [L]
Jerry can, Tin , 2.5 / 5 / 10 / 20 [L]
Drum, Sheet steel , 200 [L]
IBC (intermediate bulk container), Plastic: HDPE , 600 / 1000 [L]

4.5.1 Use-specific instructions for use

Drill boreholes with 10mm diameter and 8 cm depth.

Distance of boreholes:

20 cm horizontal

10 cm vertical

After drilling the boreholes fill each borehole three times with approx. 7ml product. Wait for 30 min after each filling.

After treatment seal the boreholes with a wooden dowel.

After application: clean the equipment with brush cleaner, white spirit or synthetic resin thinner.

Remove opaque painting systems, coatings or thick layer glazes, dust and dirt completely. Remove destroyed wood. Bare beetle borings in the remaining wood with a wire brush and remove the drilling dust. Permanently reinforce or replace statically weakened timber structures with previously impregnated wooden components.

Borehole treatment should only performed on freely accessible wooden components. Do not drill through any parts that are covered (e.g. floorboards), as the wood preservative may spread unchecked into fills. In case of subdivision area treatment, remove any fills and insulating materials and re-install only after surface drying.

4.5.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).

Ensure adequate ventilation during application and drying time of the wood preservative. Re-use of rooms after 48 hours. After borehole treatment, the drying time can be delayed to at least 1 week.

Do not apply near bodies of surface water or in the area of water protection zones.

For outdoor in-situ treatment, cover the ground with a tarpaulin to prevent any emission to the terrestrial compound.

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.

4.6 Use description

Use 6 - Curative use by borehole pressure injection by professionals

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: e.g. <i>Hylotrupes bajulus</i> L. and <i>Anobium punctatum</i> Common name: Wood boring beetles Development stage: Larvae
Field(s) of use	Indoor Outdoor Curative wood preservation of hardwood and softwood for indoor and outdoor application within the scope of an extensive curative treatment (e.g. timbered house, wooden roof frames, log house constructions).
Application method(s)	Method: Borehole pressure injection Detailed description: The solvent-based RTU product is used for borehole pressure impregnation using a wood injector by professional users.
Application rate(s) and frequencies	Application Rate: approx. 10 kg/m ³ Dilution (%): 0 Number and timing of application: The application rate is to be applied in 1 application by injection of approx. 20 ml product into each borehole by using an wood injector. Distance of boreholes: 20 cm horizontal 10 cm vertical Curative treatment by borehole pressure injection should always be combined with a curative superficial treatment (either brushing/rolling or spraying) at an application rate of 250 g/m ² (328 ml/m ²) to ensure efficacy. This application rate is to be applied in 3 subsequent applications (à 100-115 ml/m ² each) with waiting periods of 5 min each.
Category(ies) of users	Professional

Pack sizes and packaging material

Can/bucket, Tin , 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 [L]
Jerry can, Tin , 2.5 / 5 / 10 / 20 [L]
Drum, Sheet steel , 200 [L]
IBC (intermediate bulk container), Plastic: HDPE , 600 / 1000 [L]

4.6.1 Use-specific instructions for use

Drill boreholes with 10mm diameter and 8 cm depth.
Distance of boreholes:
20 cm horizontal
10 cm vertical
After drilling the boreholes fill each borehole with 20 ml product.
After treatment seal the boreholes with a wooden dowel.
After application: clean the equipment with brush cleaner, white spirit or synthetic resin thinner.
Remove opaque painting systems, coatings or thick layer glazes, dust and dirt completely. Remove destroyed wood. Bare beetle borings in the remaining wood with a wire brush and remove the drilling dust. Permanently reinforce or replace statically weakened timber structures with previously impregnated wooden components.
Borehole treatment should only be performed on freely accessible wooden components. Do not drill through any parts that are covered (e.g. floorboards), as the wood preservative may spread unchecked into fills. In case of subdivision area treatment, remove any fills and insulating materials and re-install only after surface drying.

4.6.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder in the product information).

Ensure adequate ventilation during application and drying time of the wood preservative. Re-use of rooms after 48 hours. After borehole treatment, the drying time can be delayed to at least 1 week.

Do not apply near bodies of surface water or in the area of water protection zones.
For outdoor in-situ treatment, cover the ground with a tarpaulin to prevent any emission to the terrestrial compound.

4.6.3 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.

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

See general directions for use.

4.6.5 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.

4.7 Use description

Use 7 - Curative use by brushing/rolling by non-professionals

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: Brushing/rolling Common name: Wood boring beetles Development stage: Larvae
Field(s) of use	Indoor Outdoor Curative wood preservation of hardwood and softwood for small-area treatment in case of active and visible infestation. Outdoor application (e.g. windows, exterior doors) and indoor application (e.g. pieces of furniture, antiques, interior doors).
Application method(s)	Method: Brushing/rolling Detailed description: The solvent-based RTU product is applied by brushing using a brush to wood by non-professional users.
Application rate(s) and frequencies	Application Rate: 250 g/m ² (328 ml/m ²) Dilution (%): 0 Number and timing of application: The application rates are to be applied in 3 subsequent applications (à 100-115 ml/m ²) with waiting periods of 5 minutes each.
Category(ies) of users	General public (non-professional)
Pack sizes and packaging material	Can/bucket, Tin , 0.375 / 0.75 / 1 / 2.5 / 5 [L] The biocidal products has to be fitted with a child-resistant fastening and a tactile warning.

4.7.1 Use-specific instructions for use

4.7.1 Use-specific instructions for use

Curative treatment of load-bearing or reinforcing timber structures and statically relevant wooden components as well as treatment of large area infestation and large or valuable wooden objects (e.g. art objects) should only be performed by professionals.
Use the product undiluted.
Stir the product before application with a brush.
After application: clean with brush cleaner, white spirit or synthetic resin thinner.
Remove opaque painting systems, coatings or thick layer glazes, dust and dirt completely. In case of areas with painted and polished surfaces to be treated, brushing/rolling is not possible.

4.7.2 Use-specific risk mitigation measures

Ensure adequate ventilation during application and drying time of the wood preservative. Re-use of rooms after 48 hours.

4.7.3 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.

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

See general directions for use.

4.7.5 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

Always read the label or leaflet before use and follow all the instructions provided.

5.2. Risk mitigation measures

Do not use on wood that will come in direct contact with food or animal feed.
Cover bituminous materials, plastics, plaster, concrete and stoneware. Do not moisten plants.

Discharge the residual fluids from cleaning the equipment as hazardous waste.
Misuse can lead to health and environmental damage. Keep away from food, drink and animal feed. Do not eat, drink, smoke during work. Keep out of the reach of children. Avoid skin and eye contact. Do not work in open light and open fire. Ensure good ventilation during the protective treatment. During the drying time of the wood preservative, the flammability of the treated wood parts is increased.

Contains Pyrethroids. Toxic to cats, bees, fish and other aquatic life.
See additionally respective use-specific risk mitigation measures provided above.

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

Description of first aid measures

General information: Change contaminated, saturated clothing. When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

Pyrethroids may cause paresthesia (burning and prickling of the skin without irritation). If symptoms persist: Get medical advice.

Following inhalation: Remove casualty to fresh air and keep warm and at rest. Provide fresh air.

In case of skin contact: After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion: Seek medical attention immediately. Do NOT induce vomiting. Rinse mouth thoroughly with water.

Self-protection of the first aider: First aider: Pay attention to self-protection!

Information to physician: Treatment: Treat symptomatically.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

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.

Accidental release measures

Personal precautions, protective equipment and emergency procedures: Take the precautions customary when handling chemicals. Use personal protection equipment.

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 material for containment and 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: Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

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. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Handle contaminated packages in the same way as the substance itself.

Discharge the residual fluids from cleaning the equipment as hazardous waste.

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

24 month shelf life in tin metal cans
12 month shelf life in HDPE bottles

Keep/store only in the original container and protected from frost. Protect from sunlight. Keep/store below 30°C. Protect containers against damage.

6. Other information