Summary of product characteristics for a biocidal product

Product name: Kemwood ACQ 21

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

Authorisation number: NL-0015625-0000

R4BP 3 asset reference number: NL-0015625-0000

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Administrative information

1.1. Trade names of the product

Kemwood ACQ 21
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1.2. Authorisation holder

Name and address of the authorisation holder	Name	Hoetmer b.v.
	Address	Burgemeester de Raadtsingel 67A NL-3311 JG Dordrecht Netherlands
Authorisation number	NL-0015625-0000	
R4BP 3 asset reference number	NL-0015625-0000	
Date of the authorisation	10/01/2024	
Expiry date of the authorisation	10/01/2034	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Kurt Obermeier GmbH & Co KG
Address of the manufacturer	Berghäuserstrasse 70 57319 Bad Berleburg-Raumland Germany
Location of manufacturing sites	Industriestrasse 11 57319 Bad Berleburg-Raumland Germany

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

Active substance	67 - Didecyldimethylammonium chloride(DDAC)
Name of the manufacturer	Nouryon Surface Chemistry AB (previously Akzo Nobel)
Address of the manufacturer	Stenunge Alle 3 44485 Stenungsund Sweden
Location of manufacturing sites	Stockviksverken 85013 Sundsvall Sweden

Active substance	6 - Basic Copper carbonate
Name of the manufacturer	Cosaco GmbH (previously Spiess Urania Chemicals GmbH)
Address of the manufacturer	Singapurstrasse 1 D-20457 Hamburg Germany
Location of manufacturing sites	Hovestrasse 50 20539 Hamburg Germany

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 (%)
Basic Copper carbonate	Copper(II) carbonate-copper(II) hydroxide (1:1)	Active Substance	12069-69-1	235-113-6	13,65
Didecyldimethylammonium chloride(DDAC)		Active Substance	7173-51-5	230-525-2	5,3
Monoethanolamine, MEA	2-amino-ethanol	Non-active substance	141-43-5	205-483-3	22,6
ammonia	ammonia	Non-active substance	7664-41-7		1
Ammonium hydrogencarbonate		Non-active substance	1066-33-7		8,93
Isopropanol	Propaan-2-ol	Non-active substance	67-63-0	200-661-7	2,3

2.2. Type of formulation

SL - Soluble concentrate

3. Hazard and precautionary statements

Hazard statements	May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Harmful if inhaled. Very toxic to aquatic life with long lasting effects. Corrosive to the respiratory tract.
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. Do no eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves. Wear protective clothing. Wear eye protection. Wear face protection. Keep only in original packaging. Absorb spillage to prevent material damage. IF SWALLOWED:Rinse mouth.Do NOT induce vomiting. IF ON SKIN (or hair):Take off immediately all contaminated clothing.Rinse skin with water. IF INHALED:Remove person to fresh air and keep comfortable for breathing. IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a physician. Immediately call a doctor. Immediately call a POISON CENTER. Wash contaminated clothing before reuse. Avoid release to the environment. Collect spillage. Dispose of contents to local/regional/national/international regulations.

	Dispose of container to local/regional/national/international regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - Preventive wood preservative for the treatment of wood in use class 1 to 3 against wood-destroying fungi and insects.

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide, fungicide
Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Common name: Brown rot fungi Development stage: Scientific name: Basidiomycetes: Common name: White rot fungi Development stage: Scientific name: Common name: Wood boring beetles Development stage: Larvae Scientific name: Reticulitermes Common name: Termites Development stage:
Field(s) of use	Indoor Outdoor Preventive wood preservative for the treatment of wood in use class 1 to 3 against wood-destroying fungi and insects.
Application method(s)	Method: Closed system: pressure process Detailed description: Create solution with 1-4% concentration of Kemwood ACQ21. Pressure time depends on the type of wood, wood thickness and the amount of wood preservative. Method: Closed system: vacuum impregnation Detailed description: Create solution with 1-4% concentration of Kemwood ACQ21. Pressure time depends on the type of wood, wood thickness and the amount of wood preservative.
Application rate(s) and frequencies	Application Rate: Product may only be applied via single vacuum-pressure treatment. Use class 1, 2, 3: Without termites 6,4 - 8,0 kg/m³ impregnated zone , with termites (genus Reticulitermes) 16 kg/m³ impregnated zone Dilution (%): 1-4 Number and timing of application: Single application.

	All necessary operations such as drilling and notching must be finished in advance of the preservative process. When such operations are executed after the preservation process, an after-treatment with the product is required. Application Rate: Product may only be applied via single vacuum-pressure treatment. Use class 1, 2, 3: Without termites 6,4 - 8,0 kg/m³ impregnated zone, with termites (genus Reticulitermes) 16 kg/m³ impregnated zone Dilution (%): 1-4 Number and timing of application: Single application. All necessary operations such as drilling and notching must be finished in advance of the preservative process. When such operations are executed after the preservation process, an after-treatment with the product is required.
Category(ies) of users	Industrial
Pack sizes and packaging material	IBC (intermediate bulk container), non-transparent plastic: HDPE, Closure HDPE (DIN150), 1140 kg Drum, non-transparent plastic: HDPE, 2" Tri-sure Closure Plastic, 200 kg. Jerry can, non-transparent plastic: HDPE, Closure HDPE (OV61/DIN48), 25 kg IBC: Dimensions 1200x1000x1160mm. Drum: Dimensions 581 x h 965 mm. Jerry can: Dimensions 290x260x445 mm

4.1.1 Use-specific instructions for use

see general directions of use

4.1.2 Use-specific risk mitigation measures

see general directions of 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 of use

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

see general directions of 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 of use

5. General directions for use

5.1. Instructions for use

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
Use conform with regulations for water, soil and air pollution.

Kemwood ACQ21 is a quick-fixing preventive wood preservative against deterioration of wood by brown rot fungi, white rot fungi and wood-destroying insects (beetles, termites).
Kemwood ACQ21 is suitable for roof decking, roof beams, floor joists, joinery, wood in damp areas, exterior panels, wood structures, fences, fencing, sheds and noise panels.

Kemwood ACQ21 may only be applied through single vacuum treatment. Kemwood ACQ21 is to be mixed with water in the recommended concentration. The concentration of the solution and absorption (retention) of the agent depends on the type of wood, timber size and destination. To check whether the correct concentration is reached, use a hydrometer, refractometer or via titration.
Mixing and loading is performed semi-automatically and will require minimal handling:
a) by connecting a suction hose to the dosing system. Mixing occurs in the pipes of the dosing system before introduced to the pressure treatment vessel.
b) by opening the tap of the packaging hanging above a mixing reservoir, which already contains the required amount of water. After the concentrate is added, the mixer in the mixing container is turned on.
When the temperature of the solution is below 5°C, the impregnation must be discontinued. The pressure times during vacuum or pressure methods, and duration of watering, depends on the type of wood, wood thickness and the amount of wood preservative to be absorbed. Before preserving the wood, all necessary operations such as drilling and notching must be finished. If one of these operations takes place after preservation, the parts should be adequately post treated.
Drying/diffusion/fixation time is dependent on the manner and rate of drying. During the drying/diffusion/fixation time, the timber must be stored in a way that rain does not wash out the wood preservative. De drying/diffusion/fixation time can be reduced when dried in drying or climate rooms (down to 48h), but it is recommended to conduct in a dark environment. Some examples of recommended times is given below:
· Building wood: 3 days
Impregnated wood should not be used for structures that livestock animals have access to, such as animal housing and transport vehicles.

5.2. Risk mitigation measures

Technical and organizational risk mitigation should be in place at the workplace to keep dermal exposure to the corrosive concentrate at a minimum:
- Minimisation of manual handling by use of semi-automated dosing systems only (see instructions for use)
- Use of substance/task appropriate gloves
- Maintaining and regular cleaning of equipment
- Ensuring avoidance of contact with contaminated tools and objects
- Training staff on good practice
- Supervision is in place to check RMMs are followed

Wear appropriate personal protection during mixing, loading and application of the product (new gloves during each shift and coverall).

Do not use on wood which may come in direct contact with food, feed and livestock.

Application solutions must be collected and reused or disposed of as hazardous waste. They must not be released to soil, ground- and surface water or any kind of sewer.

All industrial application processes must be carried out within a contained area situated on impermeable hard standing with bunding to prevent run-off and a recovery system in place (e.g. sump).

Freshly treated timber shall be stored after treatment under shelter on impermeable hard standing to prevent direct losses to soil, sewer or water. Any losses of the product shall be collected for reuse or disposal.

General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed. Take off immediately all contaminated clothing. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.
- Wear protective gloves for protection of hands (protective gloves EN 374). New gloves during each shift are required. The glove material has to be impermeable and resistant to the product/substance/preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. 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. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses with sideshields EN 166

- Body protection: Protective coverall (at least type 6, EN 13034 (coated coverall))

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

First aid instructions, antidotes

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.

Information to Healthcare personnel/doctor:
Initiate life support measures if needed, thereafter call a POISON CENTRE.

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.
Information to Healthcare personnel/doctor: Initiate life support measures if needed, thereafter call a POISON CENTRE.

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.

Emergency measures to protect environment in case of accident
Inform respective authorities in case product reaches water or sewage system. Dilute with much water.

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

Unused salt residues and residues must be destroyed or stored by an approved company.
Recommendation: Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations.
Consult local or national regulations for proper disposal.

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

Keep product only in original container with container tightly sealed. Product must not be subjected to temperatures above 30°C during storage. Protect from frost.
Shelf life: 2 years

6. Other information

Please be aware of the European reference value of 129.28 mg/m³ for the active substance propan-2-ol (CAS No.: 67-63-0) which was used for the risk assessment for the biocidal product.