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ANNEX

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT

impralit-ACQ 2200

Product type(s)

PT08: Wood preservatives

Authorisation number: NL-0013674-0000

R4BP asset number: NL-0013674-0000

1. ADMINISTRATIVE INFORMATION

1.1. Trade name(s) of the product

Trade name(s)	impralit-ACQ 2200 impralit-KDS 30
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1.2. Authorisation holder

Name and address of the authorisation holder	Name	Rütgers Organics GmbH
	Address	Oppauerstr. 43 68305 Mannheim Germany
Authorisation number		NL-0013674-0000
<i>R4BP asset number</i>		NL-0013674-0000
Date of the authorisation		11/10/2023
Expiry date of the authorisation		11/10/2027

1.3. Manufacturer(s) of the product

Name of manufacturer	Rütgers Organics GmbH
Address of manufacturer	Oppauerstrasse 43 D- 68305 Mannheim Germany
Location of manufacturing sites	Rütgers Organics GmbH site 1 Oppauerstrasse 43 D-68305 Mannheim Germany Rütgers Organics GmbH site 2 Park Road Industrial Estate LA14 4EQ Barrow-in-Furness United Kingdom of Great Britain and Northern Ireland (the)

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

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

Active substance	Boric acid
Name of manufacturer	Borax Europe Limited
Address of manufacturer	1A Guildford Business Park GU2 8XG Guildford, Surrey United Kingdom of Great Britain and Northern Ireland (the)
Location of manufacturing sites	Borax Europe Limited site 1 14486 Borax Road Boron CA 93516-2000 Borax United States (the)

Active substance	Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16))
Name of manufacturer	Thor GmbH

Address of manufacturer	Landwehrstrasse 1 57346 Speyer Germany
Location of manufacturing sites	Thor GmbH site 1 Thor Especialidades, S.A. Poligono Industrial "ElPla", Avda. De la Industria 1 08297 Castellgali Spain

2. PRODUCT COMPOSITION AND FORMULATION

2.1. Qualitative and quantitative information on the composition of the 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	12,11
Boric acid	boric acid	active substance	10043-35-3	233-139-2	3,325
Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-16))		active substance	68424-85-1	270-325-2	3,325
Monoethanolamine		Non-active substance	141-43-5	205-483-3	23,1

2.2. Type(s) of formulation

SL Soluble concentrate

3. HAZARD AND PRECAUTIONARY STATEMENTS

<p>Hazard statements</p>	<p>H290: May be corrosive to metals.</p> <p>H314: Causes severe skin burns and eye damage.</p> <p>H335: May cause respiratory irritation.</p> <p>H360FD: May damage fertility. May damage the unborn child.</p> <p>H410: Very toxic to aquatic life with long lasting effects.</p>
<p>Precautionary statements</p>	<p>P201: Obtain special instructions before use.</p> <p>P202: Do not handle until all safety precautions have been read and understood.</p> <p>P260: Do not breathe vapours.</p> <p>P271: Use only outdoors or in a well-ventilated area.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective clothing.</p> <p>P280: Wear protective gloves.</p> <p>P280: Wear eye protection.</p> <p>P280: Wear face protection.</p> <p>P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P310: Immediately call a POISON CENTER/doctor.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P310: Immediately call a POISON CENTER/doctor.</p> <p>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310: Immediately call a POISON CENTER/doctor.</p> <p>P308+P313: IF exposed or concerned: Get medical advice.</p> <p>P312: Call a doctor if you feel unwell.</p> <p>P403+P233: Store in a well-ventilated place. Keep container tightly closed.</p>

	<p>P405: Store locked up.</p> <p>P501: Dispose of container to local/regional/national/international regulations..</p> <p>P501: Dispose of contents to local/regional/national/international regulations..</p>
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4. AUTHORISED USE(S)

4.1. Use description

Table 1. Vacuum pressure treatment

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Basidiomycetes: Common name: brown rot fungi Development stage: no data Scientific name: Basidiomycetes: Basidiomycetes: Common name: white rot fungi Development stage: no data Scientific name: Insecta: Insecta: Common name: wood boring beetles Development stage: larvae Scientific name: Insecta: Insecta: Common name: termites Development stage: no data
Field(s) of use	indoor use Preventive treatment of hardwood and/or softwood in use classes 1 and 2 through vacuum pressure treatment
Application method(s)	Method: vacuum pressure treatment Detailed description: The wood preservative should be mixed with water to the appropriate solution strength. The wood to be treated is mechanically loaded onto the wagons and secured with fixing straps or chains. The wagons are then driven into the impregnation vessel, the vessel door is closed and the automatic treatment process is started. During the final vacuum stage of the treatment process, excess solution is collected to the plant's storage tank to be reused during the next treatment cycle. At the end of the treatment cycle, the door is opened, the wagons drawn out from the vessel. The freshly treated wood is then mechanically moved to a storage area with a forklift. After initial drying, the fixing traps straps or chains are removed.
Application rate(s) and frequency	Application rate: Please see application rates by the use class Dilution (%): 7.1 Number and timing of application: Single application prior to the final use of the treated wood Retentions for both soft- and hardwood (kg/m ³ undiluted product): Use class 1 (without termites): 6.3 kg/m ³ undiluted product Use class 1 (with termites): 14.4 kg/m ³ undiluted product Use class 2 (without termites): 13.1 kg/m ³ undiluted product Use class 2 (with termites): 14.4 kg/m ³ undiluted product
Category(ies) of users	industrial
Pack sizes and packaging material	IBC 1000 L Plastic: HDPE

Drum 200 kg Plastic: HDPE Drum 25 kg Plastic: HDPE

4.1.1. Use-specific instructions

Please see general directions for use.

4.1.2. Use-specific risk mitigation measures

4.1.3. Use-specific risk mitigation measures

Please see general directions for use.

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

Please see general directions for use.

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

Please see general directions for use.

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

Please see general directions for use.

5. GENERAL DIRECTIONS FOR USE¹

5.1. Instructions for use

For the preparation of for example a 7.1 % treating solution add 7.1 kg impralit-ACQ 2200 to 92.9 kg of water. Before opening the discharge valve of the IBC make sure that the discharge port or the pipe is fixed correctly. Discharge the product directly into the dissolving vessel. Do not use buckets or improper bins.

After discharging the concentrate rinse the discharge port or the pipe with water.

In order to obtain a homogeneous treating solution ensure a proper mixing of the concentrate and water.

Stir concentrate into the required volume of water until dissolved.

Water temperature should not be lower than +5°C.

Process can be accelerated by use of warm water. Working temperature should not exceed +30°C.

Check density with hydrometer.

The product manufacturer can provide this instrument together with density tables upon request to the customers using the product.

impralit-ACQ 2200 may easily be washed out of the wood immediately after application.

For the efficacy of the wood preservative it is essential that the treated wood is stored protected from weathering for at least 2 days, with temperatures > 5°C for at least 7 days.

Wood treated with impralit ACQ-2200 is to be used for use class 1 and 2 if care has been taken that components of the wood preservative are not leached out and do not seep into the soil, water or drainage channels.

The strict observance of these regulations is the user's responsibility.

5.2. Risk mitigation measures

When working with wood preservatives always observe the safety precautions for handling/personal safety and for the environment in compliance with the container label (particularly hazard symbol, hazard designation, risk phrases and safety advice).

For the dilution process dosing systems minimizing human exposure should be used.

Wear protective chemical resistant gloves, coated coverall and goggles during product handling phase and during maintenance/ cleaning (material to be specified by the authorisation holder within the product information).

When handling freshly impregnated wood (not completely fixed) at least suitable protective clothing (coverall), chemical resistant gloves and goggles should be worn.

Wash face and hands thoroughly before eating and after work.

Do not store near food, drink and feed.

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

Keep children and animals away from areas where wood is being sawn.

The person responsible for placing the treated wood on the market must ensure that the treated wood is not intended for uses involving contact with food, feed or 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 or 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.

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

impralit-ACQ 2200 concentrate may cause burns if in direct contact with eyes or skin and is harmful if swallowed or inhaled.

impralit-ACQ 2200 is very toxic to aquatic organisms. Appropriate precautions must be taken during storage and use.

IF EXPOSED OR CONCERNED: Get medical advice/attention.

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.

¹Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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 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.

In case of spillage: If impralit-ACQ 2200 is spilled outside the dedicated treatment area, absorb liquid in earth or sand and remove this material to a safe place. Do not absorb in sawdust or other combustible material.

Prevent liquid entering sewers or watercourses. Place contaminated material in suitable containers and dispose of by approved waste disposal methods. If preservative unavoidably enters watercourses or drains inform the appropriate authorities immediately.

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

Concentrated and dilute solutions or insoluble preservative wastes should be disposed of as hazardous waste in accordance with local authority requirements.

Waste from treated wood including sawdust and chips should be disposed of by a method approved by the local waste disposal authority. Waste must not be used for barbecues or for animal bedding.

Empty containers should be washed clean (reuse the rinsing water in the process) and recycled or disposed of by a method approved by the local waste disposal authority. In some cases the supplier is collecting and disposing the packaging

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

Shelf life of impralit-ACQ 2200 is 5 months. Do not store at temperatures below 5°C.

Reseal opened containers tightly after use. Keep only in the original container. RID: Class 8, UN Number 1760, Packaging group III

It is recommended to use a collecting tray while storing the concentrate.

6. OTHER INFORMATION

The product is also distributed by bulk transport (Tank truck 20000 L). Tank truck intended only for short-term transport, not for storage. Bulk transport is regulated within the scope of transport regulations. Appropriate tank trucks should be used for the transport of liquids containing copper ions. UN method 37.4 C.1 shows that the product is corrosive to metals but not steel. The product can be used/stored in steel contact.