

EN

ANNEX

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT

impralit-ACQ 2100

Product type(s)

PT08: Wood preservatives

Authorisation number: NL-0013673-0000

R4BP asset number: NL-0013673-0000

1. ADMINISTRATIVE INFORMATION

1.1. Trade name(s) of the product

Trade name(s)	impralit-ACQ 2100 impralit-ACQ 2100 X impralit-ACQ 2100 BPR impralit-KDS 20 impralit-ACQ 2150 impralit-ACQ 1950 impralit-ACQ 2250 impralit-ACQ 2100 PLUS
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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-0013673-0000
<i>R4BP asset number</i>		NL-0013673-0000
Date of the authorisation		26/06/2024
Expiry date of the authorisation		11/10/2033

1.3. Manufacturer(s) of the product

Name of manufacturer	Rütgers Organics GmbH
Address of manufacturer	Oppauerstrasse 43 68305 Mannheim Germany
Location of manufacturing sites	Rütgers Organics GmbH site 1 Oppauerstrasse 43 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	Didecyldimethylammonium chloride(DDAC)
Name of manufacturer	Thor GmbH
Address of manufacturer	Landswehrstrasse 54346 Speyer Germany
Location of manufacturing sites	Thor GmbH site 1 Thor Especialidades, S.A. Poligono Industrial "ElPla", Avda. De la Industria 1 08297 Gastellgali Spain

Active substance	Copper (II) oxide
Name of manufacturer	Ad Chem
Address of manufacturer	695 Burk Road 3123 Hawthorn East. Victoria. Australia
Location of manufacturing sites	Ad Chem site 1 Linkson Street 5417 Burra Australia

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 (%)
Didecyldimethyl ammonium chloride(DDAC)		active substance	7173-51-5	230-525-2	4,6 % (w/w)
Copper (II) oxide	Copper (II) oxide	active substance	1317-38-0	215-269-1	9,4 % (w/w)
monoethanolamine	2-amino ethanol	Non-Active substance	141-43-5	205-483-3	22,6 % (w/w)
Ammonium hydrogencarbonate	Ammonium bicarbonate	Non-Active substance	1066-33-7	213-911-5	13,6 % (w/w)

2.2. Type(s) of formulation

SL Soluble concentrate

3. HAZARD AND PRECAUTIONARY STATEMENTS

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H302: Harmful if swallowed. H332: Harmful if inhaled. H410: Very toxic to aquatic life with long lasting effects. EUH071: Corrosive to the respiratory tract.
Precautionary statements	P260: Do not breathe mist. P234: Keep only in original packaging. P390: Absorb spillage to prevent material damage. P312: Call a POISON CENTER if you feel unwell. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective clothing/protective gloves/eye protection/ face protection. P310: Immediately call a POISON CENTER. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P363: Wash contaminated clothing before reuse. P405: Store locked up. P501: Dispose of contents to national regulations. P273: Avoid release to the environment.

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)	<p>Scientific name: Basidiomycetes: Basidiomycetes: Common name: brown rot fungi Development stage: no data</p> <p>Scientific name: Basidiomycetes: Basidiomycetes: Common name: white rot fungi Development stage: no data</p> <p>Scientific name: Basidiomycetes: Basidiomycetes: Common name: soft rot fungi Development stage: no data</p> <p>Scientific name: Insecta: Insecta: Common name: wood boring beetles Development stage: larvae</p> <p>Scientific name: Insecta: Insecta: Common name: termites Development stage: no data</p>
Field(s) of use	<p>indoor use</p> <p>Preventive treatment of softwood in use classes 1, 2, 3 and 4 (except for wood in direct contact with water) through vacuum pressure treatment. The product is not to be used for treatment of hardwood.</p>
Application method(s)	<p>Method: preventive treatment through vacuum pressure treatment</p> <p>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.</p>
Application rate(s) and frequency	<p>Application rate: Please see the application rates by the use class</p> <p>Dilution (%): 5</p> <p>Number and timing of application:</p>

	<p>Single application prior to the final use of the treated wood</p> <table> <thead> <tr> <th>Use class</th> <th>Without termites</th> <th>With termites</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4.7 kg/m³</td> <td>17 kg/m³</td> </tr> <tr> <td>2</td> <td>7.9 kg/m³</td> <td>17 kg/m³</td> </tr> <tr> <td>3</td> <td>7.9 kg/m³</td> <td>17 kg/m³</td> </tr> <tr> <td>4</td> <td>11.2 kg/m³</td> <td>17 kg/m³</td> </tr> <tr> <td>4 (heavy duty use)</td> <td>34 kg/m³</td> <td>34 kg/m³</td> </tr> </tbody> </table>	Use class	Without termites	With termites	1	4.7 kg/m ³	17 kg/m ³	2	7.9 kg/m ³	17 kg/m ³	3	7.9 kg/m ³	17 kg/m ³	4	11.2 kg/m ³	17 kg/m ³	4 (heavy duty use)	34 kg/m ³	34 kg/m ³
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Category(ies) of users	industrial																		
Pack sizes and packaging material	<p>IBC 1000 L Plastic: HDPE Drum 200 kg Plastic: HDPE Drum 25 kg Plastic: HDPE</p>																		

4.1.1. Use-specific instructions

Please see the general directions for use.

4.1.2. Use-specific risk mitigation measures

Please see the 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

Please see the general directions for use.

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

Please see the 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

Please see the general directions for use.

5. GENERAL DIRECTIONS FOR USE¹

5.1. Instructions for use

For the preparation of a 5 % treating solution add 5 kg impralit ACQ-2100 to 95 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.

The solving and mixing process can be accelerated by use of warm water.

Working temperature of the solution should not exceed +30°C.

Check density with hydrometer.

This instrument together with density tables can be provided upon request.

impralit-ACQ 2100 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.

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, coverall and goggles during product handling phase (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, feed or drinks

Do not apply on wood directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

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

Treated timbers may not be used for structures that livestock animals have access to such as animal housing and transport vehicles.

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).

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.

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.

The biocidal product may only be applied to timber which will not be used in direct contact with surface waters.

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

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

impralit-ACQ 2100 concentrate may cause burns if in direct contact with eyes or skin and is harmful if swallowed or inhaled. impralit-ACQ 2100 is very toxic to aquatic organisms. Appropriate precautions must be taken during storage and use.

Eye Contact: 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.

Skin contact: 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.

Inhalation: 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.

Ingestion: 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.

Application processes of treated wood at industrial sites and joineries must be carried out within a contained area situated on impermeable hard standing with bunding to prevent run-off and a recovery system (e.g. sump) to prevent losses to storm drains and local STP.

In case of spillage: If impralit-ACQ 2100 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 water authority immediately.

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

It is recommended that waste minimisation practices be followed.

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

Treated wood waste should be disposed of by a method approved by the local waste disposal authority. Treated 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 2100 is 12 Months. Do not store at temperatures below 5°C.
Reseal opened containers tightly after use. Keep only in the original container.
It is recommended to use a collecting tray while storing the concentrate.

6. OTHER INFORMATION

UN method 37.4 C.1 shows that the product is corrosive to metals but not steel. The product can be used in steel contact.