
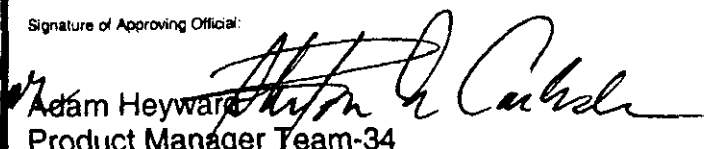


75269-2

10/31/2006

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 <p align="center"> <b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b>          Office of Pesticide Programs          Antimicrobials Division (7510C)          1200 Pennsylvania Avenue NW          Washington, D.C. 20460       </p> <p align="center"> <b>NOTICE OF PESTICIDE:</b>  <input checked="" type="checkbox"/> Registration  <input type="checkbox"/> Reregistration       </p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number: 75269-2	Date of Issuance: October 31, 2006
	Term of Issuance: <b>Conditional</b>	
	Name of Pesticide Product: <i>impralit KDS</i>	
Name and Address of Registrant (include ZIP Code): <b>Rutgers Organics GmbH</b> Sandhofer Strasse Postfach 31 01 60 Mannheim, Germany D-68305		
<p><small>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</small></p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p align="center">         This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(C) provided that you:       </p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.</li> <li>2. Make the labeling changes listed below before you release the product for shipment:           <ol style="list-style-type: none"> <li>a. Revise the "EPA Registration Number to read, "EPA Reg. No.75269-2".</li> </ol> </li> </ol>		
Signature of Approving Official:  <b>Adam Heyward</b> Product Manager Team-34 Regulatory Management Branch II Antimicrobials Division (7510C)	Date: October 31, 2006	

- b. Separate the Precautionary Statement language from the Personal Protective Equipment language. The precautionary statement must be revised to read as follows:

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

**CORROSIVE:** Causes irreversible eye damage and skin burn. Do not get in eyes, on skin, or on clothing. Fatal if inhaled. Do not breathe vapor or spray. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

- c. Add the following Personal Protective Equipment [PPE] statement to the labeling to read as follow:

**Personal Protective Equipment**

Applicators and other handlers working with or around concentrate or wood treatment solutions must wear:

- coveralls, long-sleeved shirt and long pants,
- socks and chemical-resistant foot wear,
- goggles or face shield,
- chemical resistant gloves (such as barrier laminate or butyl nitrile/neoprene Rubber, PVC, viton at  $\geq 14$  mils).

For mixing/loading: Wear a chemical resistant apron.

- d. Add the following "User Safety Requirements" text language to the label:

**User Safety Requirements**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Applicators and other handlers must wear chemical resistant gloves when handling concentrated chemicals. Wear chemical resistant gloves where dermal contact is expected, such as handling freshly treated wood and manually opening cylinders doors. When entering pressure treatment cylinders or related equipment that is contaminated with treatment solution, wear protective clothing, including chemical resistant overalls, gloves and boots. For overhead exposure wear chemical resistant head gear. Remove contaminated clothing and wash clothing before reuse. Promptly wash hands and skin with soap and water after handling.

Protective clothing must be changed when it shows signs of contamination. Applicators must leave protective clothing and work shoes or boots and equipment at the plant. Worn-out protective clothing and work shoes or boots must be left at the plant and disposed of in a manner approved for pesticide disposal and in accordance with the state and federal regulations.

- e. Revise "User Safety Recommendations" text to read as follows:

**User Safety Recommendations**

Applicators must not eat, drink or use tobacco products during those parts of application process that expose them to the wood treatment formulation (e.g. manually opening/closing cylinder doors, moving trams out of cylinders, mixing chemicals and handling freshly treated wood).

Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

- f. Revise the child hazard statement to read:

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**  **POISON**

**CORROSIVE TO SKIN AND EYES**

- g. Under the storage and disposal heading, add the following statement:

*"Do not contaminate water, food, or feed by storage and disposal."*

- h. Add the following honey bees restriction to the label:

*"Do not treat lumber used in the construction of bee-hives with impralit KDS."*

- i. Revise the first sentence in the environmental hazard statement to read:

*"This product is toxic to fish and aquatic invertebrates, including oysters and shrimp."*

- j. Add the establishment number to the labeling.

- k. Change the diluted working concentrations range of 0.5 to 3.0% to "0.5 to 2.5% by weight...."

1. Delete the entire statement "Wood must be protected from rain and water for a fixation period. The fixation process takes 3 days. Wood should be kept above 40° F for fixation to occur."

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3. Submit the following data, conducted under the conditions of the Good Laboratory Practice (GLP) Standards by the date specified below. Note these studies must be submitted, reviewed and found acceptable in order to satisfy the conditions of this registration :

Mouse Carcinogenicity study	870.4200	10/31/2009
Dermal Sensitization Study for the Technical Grade Product	870.2600	10/31/2007
Hydrolysis study (30 days, using radiolabeled compound and identifying degradation products)	835.2120	4/31/2007
Aerobic soil metabolism at 20-30 degrees C	835.4100	10/31/2007
Avian acute oral <sup>1</sup>	850.2100	10/31/2007
Freshwater fish acute - coldwater species (e.g. rainbow trout or salmon species) <sup>1</sup>	850.1075	10/31/2007
Freshwater invertebrate acute <sup>1</sup>	850.1010	10/31/2007
Data to confirm that polymeric betaine fixes in treated wood within three days of application		4/31/2007

<sup>1</sup>Use the compound actually leached from poly B treated wood, as "bridging" data to confirm that it is comparable DDAC in toxicity

4. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,

*for Sharon L. Carlisle*  
Adam Heyward

Product Manager 34  
Regulatory Branch II  
Antimicrobials Division (7510P)

Enclosure: (Stamped Label)

# *impralit KDS*

A wood preservative for vacuum-pressure treatment of wood to permanently protect against insects, rot and fungal decay. For commercial use.



**DANGER – CORROSIVE TO SKIN AND EYES**

**ACTIVE INGREDIENTS –**

Didecyl-bis(2-hydroxyethyl)ammonium borate.....	5.96%
Copper Carbonate, as Copper oxide .....	12.47%
Boric acid .....	8.00%
Other ingredients.....	73.57%
Total.....	100.00%

Registration No. XXXXX-1

Net Contents: See waybill; shipped in bulk

Rütgers Organics GmbH  
 Sandhofer Strasse  
 Postfach 31 01 60  
 D-68305 Mannheim, Germany  
 49.621.7654.408

**ACCEPTED  
 with COMMENTS  
 EPA Letter Dated:**

**OCT 31 2006**

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act as  
 amended, for the pesticide,  
 registered under EPA Reg. No.

**75269-2**

<b>FIRST AID</b>	
[This product contains a quaternary ammonium salt]	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>▪ Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes then continue rinsing eye.</li> <li>▪ Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>▪ Take off contaminated clothing.</li> <li>▪ Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>▪ Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>▪ Call a poison control center or doctor immediately for treatment advice.</li> <li>▪ Have person sip a glass of water if able to swallow.</li> <li>▪ Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>▪ Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>▪ Move person to fresh air.</li> <li>▪ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>▪ Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
For emergency information call 1-800-XXXX	
Have label or product name and Registration Number with you when calling a poison control center or doctor, or going for medical treatment.	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastic lavage.	

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## CHEMICAL HAZARDS

### PRECAUTIONARY STATEMENTS

#### DANGER

##### HAZARD TO HUMANS

**Corrosive.** Causes irreversible eye damage and skin burns. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield), coveralls over long-sleeve shirt and long pants, socks, chemical-resistant footwear and chemical-resistant (such as nitrile or butyl) gloves when handling concentrated chemicals. Wear chemical-resistant gloves where dermal contact is expected, such as handling freshly treated wood and manually opening cylinder doors. When entering pressure treatment cylinders or related equipment that is contaminated with treatment solution, wear protective clothing, including chemical resistant overalls, gloves and boots. For overhead exposure wear chemical resistant head gear. Removed contaminated clothing and wash clothing before reuse. Promptly wash hands and skin with soap and water after handling.

##### ENVIRONMENTAL HAZARDS

Toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements in Canada of a (put Canadian requirement here for discharge) or in the U.S. of a National Pollutant Discharge Elimination system (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance in Canada contact (put Canadian contact here) and in the U.S. contact your State Water Board or Regional Office of the EPA.

This product, and its diluted solutions, are not compatible with non-ferrous heavy metals such as zinc, brass and galvanized equipment. Cement troughs must be protected with a suitable coating. This product is not compatible with most other commercial wood preservative salts. Please ask for technical advice before mixing with other products. Concentrate becomes very viscous at low temperatures and will freeze at or below 23°F (-5°C).

##### STORAGE AND DISPOSAL

**Pesticide Storage:** Store in an appropriate container, such as iron or steel. Keep container tightly sealed. Protect from extreme heat and cold.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide concentrate, diluted solution, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**Container Return:** Return empty shipping container to point of purchase (manufacturer or distributor).

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product is a water-thinnable dark blue salt concentrate weighing approximately 10.52 lbs/gal (1.26 kg/L) at ambient temperatures (72°F or 22°C). It contains preservatives to control fungal decay, rot and insect attack. Treated wood is odorless and tinted light green when dry.

This product is to be used only for commercial vacuum-pressure impregnation of wood. It may not be applied by brushing, spraying, dipping or tank immersion. Do not apply on wood which may come in direct contact with food and animal feed. Do not apply to wood used in interior surfaces of dwellings or in containers for storing food or feed, unless surfaces are covered.

Wood treated with this product cannot be used in critical infrastructures such as bridges, pilings, utility poles, foundation, railway ties, etc. This product is for treatment of lumber and millwork not in contact with soil, in dry or damp environments. Treated wood may be used as flooring, studs, roof decking lumber, exterior decking, above ground joists, fascia boards, pickets, slats, lattice, trim, millwork (coated and uncoated), guard rails, fencing and playground structures (above ground), shakes and singles, siding (coated and uncoated), sill plates, veranda floors, gazebos, pagodas, and outdoor furniture.

This product is not designed for aquatic uses. Do not treat wood for aquatic uses or uses in close proximity to aquatic environments.

Target rate of retention, calculated on the basis of *impralit KDS* concentrate, is 6.7-10.1 lbs/yd<sup>3</sup> of wood treated (4.0-6.0 kg/m<sup>3</sup>) for sapwood of softwood species such as a pine and spruce. Approximately 2.7-4.0 quarts of *impralit KDS* concentrate is absorbed per cubic yard of wood at these retention rates.

This product will mix with water in any proportions. Diluted working concentrations fall within the range of 0.5 to 3.0% by weight *impralit KDS*.

Target rate of retention, calculated on the basis of *impralit KDS* concentrate, is 0.35-1.48 lbs/ft<sup>3</sup> (4.0-6.0 kg/m<sup>3</sup>) of wood treated for sapwood of softwood species such as pine and spruce. Approximately 2.7-4.0 quarts (2.5-3.8) liters of *impralit KDS* concentrate is absorbed per cubic yard of wood at these retention rates.

Retentions are defined as amount of concentrate (as delivered by the producer and approved by the authorities) in wood. 0.35 lbs/ft<sup>3</sup> means 0.35 lbs of the concentrate *impralit KDS* in a ft<sup>3</sup> of wood. The retention rate is calculated as follows:

Weight of timber before impregnation:	w1
Weight of timber after impregnation:	w2
Concentration of the solution (w%/w%):	c%
Volume of timber (ft <sup>3</sup> ):	V <sub>m</sub>

Absorbed solution:	a = w2-w1
Retention of <i>impralit KDS</i> :	r = (w2-w1) x c%
Retention rate:	R = r/V <sub>m</sub>

To prepare 1,000 gallons of a 2.0% by weight solution, mix 16.4 gallons *impralit KDS* (166.4 lbs) with 983.6 gallons water. To prepare 1,000 gallons of a 1.5% solution, mix 12.3 gallons (124.8 lbs) with 987.7 gallons water. To prepare 1,000 gallons of a 1.0% solution, mix 8.2 gallons (83.2 lbs) with 991.8 gallons of water. Solution concentration can be checked with an hydrometer. Please contact RÜTGERS or a distributor for measuring equipment and product density tables. For methods and assistance with chemical analysis, or to have samples analyzed, contact RÜTGERS or the distributor of *impralit KDS*.

Diluted treatment solutions may be reused. Replenish solution levels as necessary using fresh treatment solution of the same concentration.

Ideally wood should have a moisture level of <30% by weight when treated. Wood must be protected from rain and water for a fixation period. The fixation process takes 3 days. Wood should be kept above 40°F for fixation

to occur. During cold weather, wood and treatment solution should be warmed above 40°F but not over 120°F during treatment.

After drying, the treated wood (moisture less than 25%) can be painted. A trial coat of paint is suggested.

#### **WARRANTY**

RÜTGERS Organics GmbH warrants that this product conforms to the chemical description on the label. RÜTGERS Organics GmbH makes no warranties of merchantability or fitness for a particular purpose nor any other expressed or implied warranty except as stated above.