

## PACKAGE INSERT

### MADEPIL AC-40

**Registrant:**

Koppers Performance Chemicals Brasil Comércio de Preservantes Ltda  
Alexandre Schlemm Street, nº 531 - Anita Garibaldi  
Zip Code: 89.203-460 - Joinville/SC, Brazil.  
Corporate Registration (CNPJ): 12.120.144 / 0001-60.

**Manufacturer/Formulator:**

Indústria Química Dipil Ltda  
Jose Jesufno Correia Street, 1300 - km 13 - Industrial District Zeferino Kuklinski  
Zip Code: 89.108-000 - Massaranduba/SC, Brazil.  
Corporate Registration (CNPJ): 78.175.189 / 0001-40.

**Importer:**

- Indústria Química Dipil Ltda - José Jesuíno Correia Street, 1300 - km 13 - Industrial District Zeferino Kuklinski - Massaranduba/SC, Brazil - Zip Code: 89.108-000. Corporate Registration (CNPJ): 78.175.189 / 0001-40.
- Ascensus Trading e Logística Ltda - Dona Francisca Street, Nº. 6750, Zona Industrial Norte - Joinville/SC, Brazil - Zip Code: 89.219-530. Corporate Registration (CNPJ): 07.635.245 / 0001-34.
- Parter Trading Importação e Exportação Ltda - Evaristo da Veiga Street, 134 6th floor - Glória - Joinville/SC, Brazil - Zip Code: 89.216-215. Corporate Registration (CNPJ): 09.291.672 / 001-78.
- Koppers Performance Chemicals Brasil Comércio de Preservantes Ltda - Alexandre Schlemm Street, nº 531 - Anita Garibaldi -Joinville/SC, Brazil - Zip Code: 89.202-181. - Corporate Registration (CNPJ): 12,120,144 / 0001-60.

**IBAMA registration number: 007315**

**Indication:**

**MADEPIL AC-40** is indicated for the protection of wood against fungi and xylophagous insects, under high biological aggressiveness conditions such as woods in contact with the soil or running water, and woods exposed to the marine environment.

**MADEPIL AC-40 IS FOR THE EXCLUSIVE USE ON WOOD PRESERVATION FACILITIES.**

**Qualitative and quantitative composition (Nominal):**

Hexavalent Chromium, as  $\text{CrO}_3$  • 34.20% (m/m)

Bivalent Copper, as  $\text{CuO}$ . **13.32% (m/m)**

Pentavalent Arsenic, as  $\text{As}_2\text{O}_5$  24.48% (m/m)

Water. 28.00% (m/m)

**Physical characteristics:** Viscous, reddish brown liquid with a characteristic odor.

**TOXICOLOGICAL CLASS:****EXTREMELY TOXIC - CLASS I****ENVIRONMENTAL RISK CLASSIFICATION:****HIGH RISK - CLASS 1**

**THE MADEPIL AC-40 IS A CORROSIVE AND IRRITATING PRODUCT**

**THE USE OF SAFETY EQUIPMENT IS MANDATORY, PROTECT YOURSELF.**

**DO NOT REUSE EMPTY PACKAGES.**

**READ THE LABEL AND PACKAGE INSERT BEFORE USING THE PRODUCT AND KEEP THE PACKAGE INSERT IN YOUR PRESENCE.**

Net weight:

Lot:

Date of manufacture:

Expiration date:

**1. PRODUCT INDICATIONS:**

**APPROVED**

Bsb: 09/30/16

Ass.:

**MADEPIL AC-40** is indicated for the protection of wood against fungi and xylophagous insects, under high biological aggressiveness conditions such as woods in contact with the soil or running water, and woods exposed to the marine environment.

**MADEPIL AC-40 IS FOR THE EXCLUSIVE USE ON WOOD PRESERVATION FACILITIES.**

## **2. APPLICATION METHOD:**

**MADEPIL AC-40** is applied to the wood by the vacuum-pressure treatment method, conducted in wood preservation facilities. The procedures and other operational conditions involved in the treatment must strictly comply with what is specified in the User Manual of Technical Procedures made available by the Company KOPPERS PERFORMANCE CHEMICALS BRASIL COMÉRCIO DE PRESERVANTES LTDA. We recommend that you remove the product from the packaging by eddy with clean water. To perform the eddy of all packages of up to 400 kg, we recommend injecting clean water and using the Drum Flusher equipment. To perform the eddy in a container of above 1000 L, we recommend injecting clean water and using the container's internal agitator. To perform the eddy in tank trucks from 1.5 t to 30 t, we recommend injecting clean water and pumping directly from the truck to the product storage tank.

## **3. INFORMATION ON INDIVIDUAL PROTECTION EQUIPMENT TO BE USED IN ACCORDANCE WITH CURRENT REGULATORY STANDARDS:**

During handling, preparation or use of the mixture, use Personal Protective Equipment - PPE (cotton overalls, waterproof apron, rubber gloves, goggles or face visor, headbands, high pipe waterproof boots, and a filter mask for acid vapors covering the nose and mouth). Do not handle with unprotected hands.

## **4. DATA REGARDING HUMAN HEALTH:**

**BEFORE USING, CAREFULLY READ THE INSTRUCTIONS.**

**HAZARDOUS PRODUCT.**

**USE PERSONAL PROTECTION EQUIPMENT AS INDICATED.**

### **4.1 GENERAL PRECAUTIONS:**

- Do not eat, drink or smoke while handling the product.
- Do not handle with unprotected hands.
- Do not use the product without using PPE.
- Do not use damaged PPE.
- Used exclusively in the treatment of wood in wood preservation facilities.
- Do not transport the product with food, medication, beverages, feed, animals, and people.
- Use only in the dose recommended by the manufacturer.

### **4.2 HANDLING AND PREPARATION PRECAUTIONS:**

- Wear eye protection (goggles). **Product is extremely irritating to the eyes.** In case of contact with the eyes, rinse immediately with plenty of running water and seek medical advice.
- Wear rubber gloves. **Product is extremely irritating to the skin.** In the case of contact with the skin, wash immediately with running water and soap and see first aid.
- Use a mask for acid vapors covering the nose and mouth. **Dangerous product if inhaled or aspirated.** In case the product is inhaled or aspirated, seek fresh air and first aid.
- When opening the product packaging avoid splashing.
- Wear rubber gloves, waterproof apron, cotton overalls with long sleeves over gloves cuff, goggles or face visor, waterproof high pipe boots, and a filter mask for acid vapors covering the nose and mouth.

### **4.3 PRECAUTIONS DURING THE APPLICATION:**

- Avoid contact with the newly treated wood as much as possible.
- Wear cotton overalls, waterproof apron, rubber gloves, goggles or face visor, high pipe waterproof boots, and a filter mask for acid vapors covering the nose and mouth.

### **4.4 PRECAUTIONS AFTER THE APPLICATION:**

- Do not reuse the empty package. Maintain the remainder of the product properly closed, in a locked place, away from children and pets.
- Take a shower immediately after applying the product, change and wash your contaminated clothes separately from the rest of the family's or daily use clothing.
- Wear impermeable gloves and apron when washing the contaminated clothing.
- The recently treated wood should not be handled before the complete product fixation (15 days after treatment).

### **4.5 FIRST AID MEASURES: seek immediate medical attention taking the package, label, and product information.**

- Ingestion: do not induce vomiting.
- Eyes: Wash the eyes with plenty of water for 15 minutes.
- Inhalation: transport the intoxicated individual to an airy location.
- Skin: Wash the affected parts with plenty of soap and water.

If the affected individual stops breathing, immediately give artificial respiration and arrange urgent medical attention.

### **4.6 ANTIDOTE AND TREATMENT:**

In the case of poisoning, the antidote is the DIMERCAPROL OR DIMETAL, applied intramuscularly in the dose of 3

to 5 mg/kg of body weight. Apply every 4 hours for the 1<sup>st</sup> and 2<sup>nd</sup> days, and on the 3<sup>rd</sup> day at every 6 hours, and subsequently, every 12 hours until patient recovery.

#### **4.7. MECHANISM OF ACTION, EXCRETION, AND METABOLISM:**

The product is highly corrosive! If it comes into contact with the respiratory tract, it may cause burns. Repeated dermal exposure may result in ulcer and may cause dermatitis. In case of ingestion, the product will cause gastroenteritis, pains in the stomach and esophagus, oliguria or anuria, since this product is toxic. In case of inhalation, it may result in pneumonia. Anyone who already has a skin, liver, lung, kidney or nervous system disease will have a greater risk of presenting an acute health problem.

#### **4.8. ACUTE AND CHRONIC EFFECTS:**

Regarding the acute effects, the product presented oral LD50<400 mg/kg, dermal LD50<200 mg/kg, is extremely corrosive and irritating to eyes and skin.

This product contains arsenic and chromium in its formulation, which, according to IARC - International Agency for Research on Cancer, are potentially carcinogenic to humans.

#### **5. PRECAUTIONS FOR USE AND ADVICE ON ENVIRONMENTAL PROTECTION:**

- This product is of High Risk to the Environment
- This product is **HIGHLY MOBILE**, presenting high soil displacement potential, and can reach groundwater.
- This product is **HIGHLY PERSISTENT** in the environment.
- This product is **HIGHLY BIOACCUMULATIVE** in fish.
- This product is **HIGHLY TOXIC** to soil microorganisms.
- This product is **HIGHLY TOXIC** to aquatic organisms.
- This product is **HIGHLY TOXIC** when ingested by mammals.
- Avoid environmental contamination. **PRESERVE NATURE.**
- Do not use equipment with leaks.
- Apply only the recommended doses. Follow the instructions in the package insert.
- Do not wash packaging or equipment in ponds, springs, rivers or other bodies of water. Avoid water contamination.
- The inappropriate disposal of packaging or product waste causes contamination of soil, water, and air, damaging the fauna, flora, and human health.

#### **6. PRODUCT STORAGE INSTRUCTIONS FOR ITS CONSERVATION AND ACCIDENT PREVENTION:**

- Keep the product always closed in its original packaging.
- The site must be exclusive for toxic products and must be isolated from food, beverages, and other materials.
- The construction must be of masonry or non-combustible material!
- The location must be ventilated, covered, and have impermeable flooring.
- Place the warning plate with the words: **CAUTION POISON!**
- Lock the location, avoiding the access of unauthorized persons, especially children.
- Do not smoke, eat or drink while handling and applying the product.
- Containers must always be available to wrap broken packaging or to collect leaked products.
- In the case of warehouses, the instructions in NBR 9843 of the Brazilian Association of Technical Standards - ABNT must be followed.
- Observe State and Municipal Legislation.

APPROVED  
Bsb: 09/30/16  
Ass.:

#### **THE INADEQUATE DISPOSAL OF PACKAGING AND PRODUCT RESIDUE IN THE ENVIRONMENT CAUSES THE CONTAMINATION OF SOIL, WATER, AND AIR.**

#### **7. INSTRUCTIONS IN CASE OF ACCIDENTS:**

- Isolate and signal the contaminated area.
- Wear PPE (cotton overalls, waterproof apron, rubber gloves, goggles or face visor, headbands, high pipe waterproof boots, and a filter mask for acid vapors covering the nose and mouth).
- Contact the appropriate local authorities and the Company **Koppers Performance Chemicals Brasil Comércio de Preservantes Ltda.:** Emergency Phone (+55 47) 3029-0129/3029-1229. In case of leakage, do not let product enter drains, drains or watercourses. Follow the instructions below:
  - Paved Floor: Absorb spilled product with sawdust or sand, collect material with a shovel, and place in a sealed and properly identified container. The spilled product must not be used again. In this case, consult **Koppers Performance Chemicals Brasil Comércio de Preservantes Ltda.**, through the emergency telephone number indicated on the package insert or the product label for return and final destination.
  - Soil: Remove the layers of contaminated soil until reaching uncontaminated soil, collect and place this material in a sealed and properly identified container. Contact **Koppers Performance Chemicals Brasil Comércio de Preservantes Ltda.** as indicated above.
  - Bodies of Water: Immediately stop collecting for human or animal consumption, contact the nearest Environmental Agency and the Company's Emergency Center since the measures to be adopted depend on the proportions of the accident, the characteristics of the body of water in question, and the quantity of product involved.
- In the event of a fire, use dry chemical powder extinguishers, or carbon dioxide, as both have the advantage of not

spreading the contaminant, remaining in favor of the wind to avoid intoxication.

- Empty containers or containers containing contaminated materials cannot be transported with food, beverages, medicines, feed, animals or people.

#### **8. PRODUCT IMPROPER FOR USE OR IN DISUSE:**

If the product becomes unfit for use (expired) or in disuse, consult the **Koppers Performance Chemicals Brasil Comércio de Preservantes Ltda.**, using the telephone number indicated on this package insert or the label for its return and final destination.

#### **9. TRANSPORTATION:**

Transport is subject to the rules and procedures established in the specific legislation, which includes the follow-up of the product's safety data sheet and the chemical information sheet, as well as determining which dangerous products cannot be transported with people, animals, feed, medication or other materials.

#### **10. INFORMATION ON THE FINAL DESTINATION OF CONTAMINATED PACKAGING AND RESIDUE:**

- Do not reuse empty containers.
- Residues (traces of treated wood or other contaminated materials) generated in the treatment process must be placed in sealed and properly identified containers.
- For the return of empty containers and residue contact **Koppers Performance Chemicals Brasil Comércio de Preservantes Ltda.** by the telephone number indicated on this package insert or on the label.
- Burial of empty containers is prohibited.
- Observe the specific State and Municipal Legislation.

#### **11. DEACTIVATION METHOD:**

To deactivate the product and its solutions contact **Koppers Performance Chemicals Brasil Comércio de Preservantes Ltda.** by the telephone number indicated on this package insert or on the label.

#### **12. EMERGENCY TELEPHONE:**

**Koppers Performance Chemicals Brazil Comércio de Preservantes Ltda** - (+55 48) 3721-9535/3721- 9173 / / 0800 643 5252

**Toxicological Information Center of Santa Catarina:** - (+55 48) 3721-9535 / 3721-9173 / 0800 643 5252

#### **COMPANY:**

**Koppers Performance Chemicals Brazil Comércio de Preservantes Ltda.**

Alexandre Schlemm Street, 531, Anita Garibaldi

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