

LIGNEX® DEFEND

Woodworm protection in ready-to-use organic solvent

3272 - January 2016

Description

Product: LIGNEX DEFEND is an anti-woodworm in organic solvent, free from aromatic compounds, for the treatment of wood attacked by the "House Capricorn" (*Hylotrupes bajulus*), with simultaneous preventive efficacy against the attack of other xylophagous insects.

Fields of use: for the treatment of all wooden parts attacked by insects, such as, for example, roof structures, furniture, floors, works of art, etc.

Certifications:

- Surgical medical unit - Ministry of Health Registration n. 18556
- "RAL" quality mark according to RAL-GZ 830, certificate no. 419, of the "Gütegemeinschaft Holzschutzmittel eV" ("Association for the quality of wood preservatives") of Frankfurt (D);
- Certificate n. 21/91 of "Arbeitsgemeinschaft Holzschutzmittel" ("Wood protection working group") of Vienna (A); certificates of validity: Ib, Iv, W.
- Ib = curative efficacy against insects; =
- Iv = preventive efficacy against insects;
- W = suitable for wood exposed to bad weather, but not in continuous contact with the ground or water.

Surveillance institutes: WKI - Braunschweig (D); HFA - Vienna (A).

Protection: curative and preventive efficacy against lignivorous insects. **Active principle:** 0.25% (= 2g / l) permethrin. **Tint:** 00-colorless.

Packaging: 0.750 l - 2.5 l - 5 l and 25 l.

On order: 200 and 1000 liters

Technical data

Specific weight: ca. 0.80 kg / l, at +20 ° C. **Flash**

point: ca. 62 ° C. **Viscosity:** 45-47 sec / DIN cup, 2 mm at 20 ° C

Drying: after 1-2 days, depending on the type of wood, the quantity applied and the weather conditions. With low temperatures and / or high humidity, the drying time increases proportionally.

Odor: own faint smell; odorless after drying.

Storage: 5 years in original closed packaging. Keep cool, but protected from frost. Close partially used jars well; if the bladder is excessively large, transfer to smaller containers and clearly label.

Application Notes

Generality: mix the product well before use.

Application systems: brush, dipping, forced injection; by spraying only if applied by specialized firms.

Inoculation in the flickering holes (by syringe).

Preparation of the substrate: the wood to be treated must be dry and free from dust and grease. Do not apply on wood with humidity higher than 18%. Completely eliminate old film-forming coatings, because they would prevent the penetration of the product, as well as wooden parts that are no longer firm and compact and brown. Clean any resinous areas or pockets on the surface with nitro thinner.

Quantity to apply: 300-350 ml / m², corresponding to approx. 3 m² / l, for a curative treatment (applying 3-4 coats)
(TO): at least 120 ml / m², corresponding to 8-9 m² / l, for a purely preventive treatment; at least 350 ml / m² for a curative treatment.

Dilution: LIGNEX DEFEND is ready to use and must not be diluted.

Overpaintable: under normal conditions, after approx. 3 days it can be painted over with common impregnating products and / or finishes on the market.

Cleaning of tools: with thinner for synthetics or nitro thinner, immediately after use.

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Special instructions

Wood preservatives contain biocidal active ingredients for protection against animal and / or plant parasites and are to be used only in authorized fields of use. Incorrect use can cause damage to health and the environment. When working with products for the biological protection of wood, it is necessary to comply with the laws in force regarding hygiene and safety at work and environmental protection, bearing in mind any hazard labeling. Preferably not to be used on large surfaces indoors. The application must be carried out by specialized companies. Treated wood found in rooms where you stay permanently must be covered with dust-tight coatings. This also applies to attics and attics if they are used for residential purposes.

Do not apply on wood intended to come into direct contact with food or feed or drinking water. During application, protect your face, hands and eyes and ensure sufficient ventilation. Cover switches and power lines well to avoid short circuits. Avoid working near open flames or sparks. In case of spraying or insufficient ventilation, it is advisable to use a mask (half mask with interchangeable filters, class A1 filter, brown identification color).

LIGNEX DEFEND is toxic to fish and to animals that feed on fish. Do not apply on parts that are not well consolidated. Avoid that the product comes into contact with plants. Not suitable for beehives, greenhouses and saunas. Prevent the product from polluting water courses and waste water or from penetrating into the ground. The product and the wood treated with it cannot be used near water courses.

LIGNEX DEFEND must always be painted over with an impregnating and / or finishing product, unless a dust-tight coating has been applied! (A dust-tight coating can also consist of a coating with a suitable film-forming product).

Risk phrases: Dangerous for the environment. Irritating to skin (R38). Harmful: may cause lung damage if swallowed (R65). Highly toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50 / 53). Inhalation of the vapors may cause drowsiness and dizziness.

Precautionary advice: Keep out of the reach of children (S2). Keep away from food or feed and drink (S13). Do not eat, drink or smoke during use (S20 / 21). Do not breathe aerosols and vapors (S23). Avoid contact with skin (S24). Do not dispose of residues in drains, but dispose of this material and its containers at a collection point for hazardous waste (S29/56). Use suitable protective clothing and gloves (S36 / 37). In case of accident or if you feel unwell, seek medical advice immediately (show the label if possible) (S45). Do not use on large surfaces in residential areas (S52). Do not induce vomiting: seek medical advice immediately and show him the container or label (S62). The product contains naphtha and solvent naphtha (petroleum) in the two types of "hydrotreated" heavy fraction and heavy aromatic.

WARNINGS: Do not contaminate food, drinks or containers intended to contain them during use. Do not spray in the air, environment. If the product is used in a place where you stay for a long time, or in the bedrooms, ventilate the room sufficiently before staying there again. Not to be sold in bulk. After application, in case of contact with the skin, wash thoroughly with soap and water. Do not dispose of the container in the environment after use. INFORMATION FOR THE DOCTOR: the hydrocarbons contained in the product (solvent based):

- They are strongly irritating to the eyes and respiratory mucous membranes: inhalation of the vapors gives rise to symptoms of severity proportional to the duration of exposure.
- they are skin irritants and can cause "contact" dermatitis Consult a poison control center.

Disposal: European waste catalog according to EAK and AVV: 03 02 02

Dispose of the product and its remains in a special waste collection center. Recycle only empty containers. **Water hazard class:** WGK 2, dangerous for waters (according to VwVws of 17 May 1999).

Classification according to VbF: A III.

ADR / RID: UN 3082, liquid, nag (Permethrin), 9, III.

The aforementioned indications correspond to the most recent state of the art in development and use. Since the use and application of the products are beyond our sphere of influence, we are only liable for the consistent quality of the products. If in doubt, please ask for our technical advice.