

**MATERIAL SAFETY DATA SHEET**Page 1/6  
Date of issue  
Jan. 28, 2009**JUBIN LASUR PRIMER PLUS**

Version 02

**1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY**

<b>Product name:</b>	<b>JUBIN LASUR PRIMER PLUS</b>
<b>Product description:</b>	Alkyd based impregnate coat for wood protection against blue stain, moulds and insect containing biocide active ingredients.
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**2. HAZARDS IDENTIFICATION**

**Human health hazards.** Contact with the product may cause irritating to eyes and skin.  
**Environmental hazards.** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Composition:** water-based primer paint - biocidal product for wood protection

Hazardous ingredients	Wt.-%	CAS-No. EC-No. INDEX-No.	Danger symbol	Risk phrases
3-iodo-2-propynil butylcarbamate	< 1	55406-53-6 259-627-5 -	Xn, N	20/22-41-50
1-[[2-(2,4-diclorophenyl)-4-propyl-1,3-dioxolan-2yl]methyl]-1H-1,2,4-triazole	< 1	60207-90-1 262-104-4	Xn, N	22-43-50/53
ethyl [2-(4-phenoxyphenoxy)ethyl] cabamate	< 0,1	72490-01-8 276-696-7	N	50/53
2-(2-butoxyethoxy)ethanol	< 2	112-34-5 203-961-6 603-096-00-8	Xi	36

#### 4. FIRST AID MEASURES

<b>Inhalation</b>	Remove the affected person from the danger zone to a well ventilated room or to fresh air. In case of suspected poisoning immediately call a physician. Inhalation of vapour or mist can cause irritation of nose and throat.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin with water, use soap.
<b>Eyes contact</b>	Rinse eyes with water for 10 to 15 minutes, get medical attention.
<b>Ingestion</b>	Only when conscious, rinse mouth, give one or two glasses of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting. Obtain medical attention immediately.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media.** The product in liquid form as a preparation of water based polymer dispersion is not inflammable.  
Dry chemical powder, CO<sub>2</sub>, foam or water-spray (do not use direct jet of water).  
**Fire fighting procedures.** Combustion products may be toxic and irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably. Using of protective equipment for fire fighters: gloves, protective clothing and respiratory protection.  
Possible dangerous thermal decomposition products released: CO, NO<sub>x</sub>, HCl

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions.** Follow the personal protection measures. Avoid contact with skin and eyes.  
**Environmental precautions.** Prevent contamination of water. Advise authorities if product has entered or may enter watercourses. Do not empty into drains or water. Collect the product in specially marked, tightly closing containers for safe disposal.  
**Cleaning / Disposal.** Absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labelled container for subsequent safe disposal.

#### 7. HANDLING AND STORAGE

**Handling.** Avoid inhalation of sprayed material, avoid contact with skin, eyes and clothing. Do not eat, drink and smoke while working.  
**Storage.** Keep containers closed. Store at room temperature. Protect from freezing. Keep out of reach of children in well closed containers, away from food and feed. Protect from the light.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering control measures.** Normally not required under normal treatment and at room temperature.  
**Respiratory protection.** Normally not necessary. In case of heavy exposure: gas mask.  
**Hand protection.** Prolonged or repeated contact with skin: wear nitrile rubber (chemical resistant) gloves.  
**Body protection.** Closed heavy duty cotton fabric working clothing, shoes or boots.  
**Eye protection.** Use splash goggles when eye contact may occur.  
**Hygiene measures.** Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid, turbidity
<b>Colour:</b>	Paleness grey to gray similar colouring
<b>Odour:</b>	typical
<b>pH:</b>	app. 8/20°C
<b>Boiling point / range:</b>	100°C for water
<b>Flash point:</b>	n. a.
<b>Autoignition temperature:</b>	n. a.
<b>Density:</b>	app. 1,02 kg/dm <sup>3</sup> /20°C
<b>Explosion limits:</b>	n. a.
<b>Vapour pressure:</b>	n. a.
<b>Solubility in water:</b>	miscible with water
<b>Solids content:</b>	app. 16 wt.%

## 10. STABILITY AND REACTIVITY

**Stability.** Stable under normal use and storage conditions. No indication of degradation was found after storage.

**Hazardous decomposition products.** Possible decomposition products: CO, CO<sub>2</sub>, NO<sub>x</sub>.

## 11. TOXICOLOGICAL INFORMATION

**Basis for assessment.** Information given is based on data on the components and the toxicology of similar products. May cause sensitization by skin contact, irritating to eyes and skin. **The fully cured product is not health hazardous.**

**From structurally related products the following may be expected:**

- **3-iodo-2-propynyl butylcarbamate (CAS: 55406-53-6)**  
Acute toxicity:  
Oral(rat): LD<sub>50</sub>: 1.470 mg/kg  
Dermal (rat): LD<sub>50</sub>: >2.000 mg/kg  
Inhalation(rat): LC<sub>50</sub>: >6.89 mg/l/4 hours
  
- **Propiconazole (CAS: 60207-90-1)**  
Acute toxicity:  
Oral(rat): LD<sub>50</sub>: =1.517 mg/kg      Eye irritation: non-irritant  
Dermal (rat): LD<sub>50</sub>: >4.000 mg/kg      Skin irritation: non-irritant  
Inhalation(rat): LC<sub>50</sub>: > 5.8 mg/l/4 hours      Skin sensitization: sensitizing
  
- **Fenoxycarb (CAS: 72490-01-8)**  
Acute toxicity:  
Oral(rat): LD<sub>50</sub>: > 10.000 mg/kg      Eye irritation: non-irritant  
Dermal (rat): LD<sub>50</sub>: >2000 mg/kg      Skin irritation: non-irritant  
Inhalation(rat): LC<sub>50</sub>: > 4.4 mg/l/4 hours      Skin sensitization: not sensitizing
  
- **2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)**  
Acute toxicity:  
Oral(rat): LD<sub>50</sub>: > 5.5 mg/kg      Eye irritation: irritant  
Dermal (rat): LD<sub>50</sub>: >2.5 ml/kg      Skin irritation: irritant  
Inhalation(rat): LC<sub>50</sub>: > 2.000 mg/l/4 hours      Skin sensitization: not sensitizing

**12. ECOLOGICAL INFORMATION**

**Basis for assessment.** Incomplete ecotoxicological data are available. The information given below is based partly on a knowledge of the components and the ecotoxicology of similar products.

**Persistence/degradability.** This product is soluble in water.

**Ecotoxicology.** Toxic to aquatic organisms. Do not empty into drains or water.

**From structurally related products the following may be expected:**

- 3-iodo-2-propynyl butylcarbamate (**CAS: 55406-53-6**)  
LC<sub>50</sub> 0.072 mg/l/96 hours (rainbow trout)  
EC<sub>50</sub> 0.16 mg/l/48 hours (Daphnia)  
IC<sub>50</sub> 0.022 mg/l/72 hours (Algae)
  
- Propiconazole (**CAS: 60207-90-1**)  
LC<sub>50</sub> 5.3 mg/l/96 hours (rainbow trout)  
LC<sub>50</sub> 10.2 mg/l/48 hours (Daphnia)  
EC<sub>50</sub> 0.76 mg/l/72 hours (Algae)
  
- Fenoxycarb (**CAS: 72490-01-8**)
  - LC<sub>50</sub> 1.6 mg/l/96 hours (rainbow trout)  
EC<sub>50</sub> 0.4 mg/l/48 hours (Daphnia)  
IC<sub>50</sub> 1.1 mg/l/72 hours (Algae)
  - 2-(2-butoxyethoxy)ethanol (**CAS: 112-34-5**)
    - LC<sub>50</sub> 2.500mg/l/96 hours (rainbow trout)  
EC<sub>50</sub> 1.000 mg/l/48 hours (Daphnia)  
IC<sub>50</sub> 1.000 mg/l/72 hours (Algae)

General note  
JUBIN LASUR PRIMER PLUS contains materials that are harmful to the environment.

**13. DISPOSAL CONSIDERATIONS**

Liquid waste is classified as **ecotoxic waste (H14, contains C34(biocide): EWC: 08 01 19\***.  
Liquid waste must not be disposed together with domestic wastes, poured into water or in sewage system.  
Disposal according to the national legislation.

Waste packaging is classified as packaging containing residues or contaminated by dangerous substances: **EWC: 15 01 10\***.  
Packaging may be recycled after appropriate cleaning.

#### 14. TRANSPORT INFORMATION

**ADR/RID:** Class: 9, M6  
UN NO: 3082  
Pack.Group: III  
Label: 9  
Hazard id.: 90  
ADR Name: Environmentally hazardous substance, n.o.s.  
Description: Contains: Fenoxycarb

**IMDG:** Class: 9  
**( ICAO** UN NO: 3082  
**IATA )** Pack.Group: III  
Label: 9  
ADR Name: Environmentally hazardous substance, n.o.s.  
Description: Contains: Fenoxycarb

#### 15. REGULATORY INFORMATION

**Danger symbol:**

**N**, Dangerous for the environment

Contains: Fenoxycarb

**R- Phrases:** R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S- Phrases:** S 2 Keep out of reach of children.  
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 28 After contact with skin, wash immediately with plenty of water.  
S 29 Do not empty into drains.  
S 46 If swallowed, seek medical advice immediately and show this container or label.  
S 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

## 16. OTHER INFORMATION

### Explanation to R-phrases in section 3

R 20/22 Harmful by inhalation and if swallowed.

R 22 Toxic by inhalation.

R 36 Irritating to eyes. .

R 41 Risk of serious damage to eyes.

R 43 May cause sensitization by skin contact.

R 50 Very toxic to aquatic organisms.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This MSDS is issued in accordance with the EU Regulation 1907/2006/EC concerning REACH. The classification and labelling of the preparation are made according to the EU Directive 1999/45/EC as well as the international transport regulation is being considered.

The information contained herein relates only to the specific product identified. The information given is designed only as a guidance for safe handling, use, storage, transportation, disposal and release and is not to be considered a warranty or guarantee or quality specification.

It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

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**This MSDS has been revised in sections: 1 and 16.**