

**VALTTI BASE (POHJUSTE)**

Date 31.12.2010

Previous date: 22.6.2010

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1 Identification of the article**

**1.1.1 Commercial Product Name**  
VALTTI BASE (POHJUSTE)

**1.1.2 Product code**  
005 0500

**1.2 Use of the Substance/Preparation****1.2.1 Intended use**

Painting work.

Description: Linseed oil containing primer that penetrates into the wood. Wood protective liquid used like paint for exterior use. The use of the product for any other purposes or against the instructions for use is forbidden.

**1.3 Identification of the company****1.3.1 Supplier**

Tikkurila Oyj

**1.3.2 Contact information:**

**P.O.Box** P.O.Box 53  
**Postcode and post office** FI-01301 VANTAA  
FINLAND  
**Telephone** +358 9 857 71  
**Telefax** +358 9 8577 6936

**1.3.4 Responsible for the Safety Data Sheet:**

Tikkurila Oyj, Product Safety, e-mail: productsafety@tikkurila.com

**1.4 Emergency telephone number****1.4.1 Telephone number, name and address**

Tikkurila Oyj, Environment and Safety: +358 9 857 71

**2. HAZARDS IDENTIFICATION**

Harmful, Xn

Harmful: may cause lung damage if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information on hazard labelling in section 15.1.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Hazardous components**

| 3.1.1      |           | 3.1.2                            | 3.1.3         | 3.1.4               |
|------------|-----------|----------------------------------|---------------|---------------------|
| CAS number | EINECS    | Chemical name of the substance   | Concentration | Classification      |
| 64742-48-9 | 265-150-3 | Naphtha, hydrotreated heavy      | 75 - 100 %    | Xn; R65-66          |
| 55406-53-6 | 259-627-5 | 3-Iodo-2-propynylbutyl carbamate | 0,75 %        | Xn, N; R20/22-41-50 |
| 60207-90-1 | 262-104-4 | Propiconazole                    | 0,24 %        | Xn, N; R22-43-50/53 |
| 34590-94-8 | 252-104-2 | Dipropyleneglycol methylether    | 5 - 10 %      | -                   |

**3.1.7 Further information**

Naphtha, hydrotreated heavy: contains benzene less than 0,1 w-%.

**4. FIRST AID MEASURES****4.1 Additional advice**

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In all cases of doubt, or when symptoms persist, seek medical attention.

**4.2 Inhalation**

Remove to fresh air, keep patient warm and at rest.

**4.3 Skin contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser.

**4.4 Eye contact**

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

**4.5 Ingestion**

If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

**5. FIRE-FIGHTING MEASURES****5.1 Suitable extinguishing media**

Use foam, CO<sub>2</sub>, powder or water spray.

**5.2 Extinguishing media which must not be used for safety reasons**

Waterjet

**5.3 Specific hazards**

Fire will produce dense black smoke, which contains decomposition products. Avoid breathing the smoke.

**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions**

Avoid breathing vapours. Exclude sources of ignition.

**6.2 Environmental precautions**

Do not allow to enter drains or water courses.

**6.3 Methods for cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean preferably with a detergent; avoid the use of solvents. Note! Products containing oxidative drying oil or alkyd (linseed oil varnish, alkyd paints and -lacquers) have a possibility of auto-ignition in porous materials damped by the product. This kind of waste must be collected and stored e.g. in water before disposal or incinerated immediately.

**7. HANDLING AND STORAGE****7.1 Handling**

Avoid skin and eye contact.

Vapours are heavier than air and may form explosive mixtures with air. Good ventilation must be provided. Keep away from sources of ignition. Take precautionary measures against static discharges.

**7.2 Storage**

Keep containers tightly closed. Store in a cool, dry, well ventilated place away from sources of heat and direct sunlight.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 Exposure Limit Values****8.1.1 Occupational exposure limit values**

Dipropyleneglycol methylether 50 ppm (8 h)  
(EU)

Dipropyleneglycol methylether 100 ppm (8 h)  
(TLV-TWA)

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**8.1.2 Information on limit values**

EU = Occupational Exposure Limit Values according to EU Directives 1998/24/EC, 2000/39/EC, 2006/15/EC, 2009/161/EU.

TLV-TWA = Threshold Limit Values - Time-weighted average according to ACGIH 2009 (American Conference of Governmental Industrial Hygienists)

**8.2 Exposure controls****8.2.1 Occupational exposure controls**

Provide adequate ventilation. Comply with the health and safety at work laws.

**8.2.1.1 Respiratory protection**

Use appropriate certified respirators, with gas and vapour filter A, during sanding with dust filter P2, if ventilation is insufficient. During continuous and long-term work the use of air-fed or motor-driven respirators is recommended.

**8.2.1.2 Hand protection**

Always wear approved protective gloves (e.g. nitrile rubber) against chemicals. Barrier creams may also help to protect the exposed areas of the skin.

**8.2.1.3 Eye protection**

Use safety eyewear designed to protect against splashes of liquids.

**8.2.1.4 Skin and body protection**

Use suitable protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 General Information (appearance, odour)**

Liquid, strong odour

**9.2 Important Health Safety and Environmental Information**

**9.2.2 Boiling point/range** 175 - 225 °C \*)

**9.2.3 Flash point** 64 °C \*)

**9.2.5 Explosive properties**

**9.2.5.1 Lower explosion limit** 1 vol-% \*)

**9.2.5.2 Upper explosion limit** 6 vol-% \*)

**9.2.7 Vapour pressure** 1 kPa (38 °C) \*)

**9.2.8 Relative density** 0,8

**9.2.9 Solubility**

**9.2.9.1 Water solubility** Insoluble

**9.3 Other data**

\*) = Naphtha, hydrotreated heavy

**10. STABILITY AND REACTIVITY****10.1 Conditions to avoid**

Solvent vapours may form explosive mixtures with air.

**10.2 Materials to avoid**

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**10.3 Hazardous decomposition products**

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**11. TOXICOLOGICAL INFORMATION****11.1 Acute toxicity**

See section 11.5.

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**11.2 Primary irritation**

See section 11.5.

**11.3 Sensitisation**

Contains propiconazole. May produce an allergic reaction.

**11.5 Human experience**

11.5.1 Inhalation: Solvent vapours harmful if inhaled. Long term exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache and dizziness.

11.5.2 Skin contact: Repeated or prolonged contact with the preparation may cause removal of the natural fat from the skin resulting in contact dermatitis. Splashes in the eyes may cause irritation.

11.5.3 Other effects: Harmful if taken internally. The product contains solvent naphtha, which may cause lung damage if swallowed.

**12. ECOLOGICAL INFORMATION****12.1 Ecotoxicity****12.1.1 Aquatic toxicity**

3-Iodo-2-propynyl butyl carbamate: LC50(96h, rainbow trout) = 0,067 mg/l; EC50(48h, daphnia magna) = 0,16 mg/l; IC50(scenedesmus suspicatus, 72 h ) = 0,022 mg/l

Propiconazole: LC50 = 5,3 mg/l, trout, 96 h; toxic. EC50 = 10,2 mg/l, daphnia magna, 48 h; harmful. EC50 = 0,76 mg/l, green algae (scenedesmus subspicatus), 72 h; very toxic.

**12.3 Persistence and degradability****12.3.1 Biodegradation**

3-Iodo-2-propynyl butyl carbamate: Readily biodegradable.

**12.4 Bioaccumulative potential**

3-Iodo-2-propynyl butyl carbamate: octanol/water partition coefficient log Pow = 2,81

Propiconazole: octanol/water partition coefficient log Pow = 3,65

**12.6 Other adverse effects**

There is no data available on the preparation itself. The product should not be allowed to enter drains or water courses.

**13. DISPOSAL CONSIDERATIONS**

13.1 Product residues: Gather residues into waste containers. Destroy according to the rules given by local authorities. EWC-code for liquid waste is e.g 08 01 11 (waste paint and varnish containing organic solvents or other dangerous substances).

Risk of self-ignition! Cleaning cloths, sanding dust and overspray containing the product can create fire by self-ignition. Waste like this should be collected and stored in water before disposal, or dried preferably outdoors or incinerated immediately.

13.2 Packaging: Empty cans should be recycled or disposed of in accordance with local regulations.

**14. TRANSPORT INFORMATION****14.1 UN No**

-

**14.2 Packing group**

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**14.3 Land transport****14.3.1 ADR/RID Class**

not classified

**14.4 Sea transport****14.4.1 IMDG Class**

not classified

**14.4.2 Proper shipping name****Marine pollutant**

no

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**14.5 Air transport**  
**14.5.1 ICAO/IATA Class** not classified

**15. REGULATORY INFORMATION****15.1 Information on the warning label****15.1.1 Letter code of the warning symbol and indications of danger for the preparation**

Xn Harmful

**15.1.2 Names of the ingredients given on the warning label**

Naphtha, hydrotreated heavy  
3-iodo-2-propynylbutyl carbamate (0,75 p-%)  
Propiconazole (0,24 p-%)

**15.1.3 R-phrases(s)**

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

**15.1.4 S-phrases(s)**

S2 Keep out of the reach of children.

S23 Do not breathe vapour/spray.

S24 Avoid contact with skin.

S29 Do not empty into drains.

S37 Wear suitable gloves.

S51 Use only in well-ventilated areas.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**15.1.5 Special regulations on certain preparations**

Contains propiconazole. May produce an allergic reaction.

**16. OTHER INFORMATION****16.1 Full text of R-phrases referred to under sections 2 and 3**

R22 Harmful if swallowed.

R43 May cause sensitization by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R20/22 Harmful by inhalation and if swallowed.

R65 Harmful: may cause lung damage if swallowed.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

R66 Repeated exposure may cause skin dryness or cracking.

**16.4 Additional information**

The information of this MSDS is based on the present state of our knowledge and on current EC laws. It is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.

Additional information available from: Tikkurila Oyj, Product Safety, P.O. Box 53, FIN-01301 VANTAA, FINLAND, Telephone +358 9 857 71, Fax +358 9 8577 6936, E-mail: productsafety@tikkurila.com

**Signature**

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