

**VALTTI AKVABASE**

Date 28.12.2010

Previous date: 22.6.2010

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

**1.1.1 Commercial Product Name**  
VALTTI AKVABASE

**1.1.2 Product code**  
005 3500

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

Painting work.

Description: 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 Company/undertaking identification****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****1.4.1 Telephone number, name and address**

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

**2. HAZARDS IDENTIFICATION**

The product is not classified as dangerous.

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
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
1336-21-6	215-647-6	Ammonia solution	< 0,5 %	C, N; R34-50

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

---

**4.2 Inhalation**

---

**4.3 Skin contact**

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

**VALTTI AKVABASE**

Date 28.12.2010

Previous date: 22.6.2010

- 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, drink water or milk. Obtain medical attention, when necessary.

**5. FIRE-FIGHTING MEASURES**

- 5.1 Suitable extinguishing media**  
---
- 5.2 Extinguishing media which must not be used for safety reasons**  
---
- 5.3 Specific hazards**  
---

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions**  
---
- 6.2 Environmental precautions**  
Do not allow to enter drains or water courses.
- 6.3 Methods for cleaning up**  
Contain and collect spillage with absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean with a detergent and water.  
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.
- 7.2 Storage**  
Keep containers tightly closed. Store in a dry place. Do not allow to freeze.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- 8.1 Exposure Limit Values**
- 8.1.1 Threshold limits**  
Ammonia solution (TLV-TWA) 25 ppm (8 h)  
Ammonia solution (EU) 20 ppm (8 h)
- 8.1.2 Information on limit values**  
TLV-TWA = Threshold Limit Values - Time-weighted average / ACGIH 2009  
EU = Occupational Exposure Limit Values according to EU Directives 1998/24/EC, 2000/39/EC, 2006/15/EC, 2009/161/EU.
- 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**  
---
- 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.

**VALTTI AKVABASE**

Date 28.12.2010

Previous date: 22.6.2010

- 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
- 9.2 Important Health Safety and Environmental Information**
- 9.2.2 Boiling point/range** -
- 9.2.3 Flash point** -
- 9.2.5 Explosive properties**
- 9.2.5.1 Lower explosion limit** -
- 9.2.5.2 Upper explosion limit** -
- 9.2.7 Vapour pressure** -
- 9.2.8 Relative density** 1,0
- 9.2.9 Solubility**
- 9.2.9.1 Water solubility** Soluble

**10. STABILITY AND REACTIVITY**

- 10.1 Conditions to avoid**  
---
- 10.2 Materials to avoid**  
---
- 10.3 Hazardous decomposition products**  
Hazardous decomposition products may produce, when exposed to high temperatures.

**11. TOXICOLOGICAL INFORMATION**

- 11.1 Acute toxicity**  
---
- 11.2 Primary irritation**  
---
- 11.3 Sensitisation**  
Contains propiconazole. May produce an allergic reaction.
- 11.5 Human experience**
- 11.5.1 Inhalation: ---
- 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 slight irritation.
- 11.5.3 Other effects: ---

**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.

**VALTTI AKVABASE**

Date 28.12.2010

Previous date: 22.6.2010

**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**

<b>14.1</b>	<b>UN No</b>	-
<b>14.2</b>	<b>Packing group</b>	-
<b>14.3</b>	<b>Land transport</b>	
<b>14.3.1</b>	<b>ADR/RID Class</b>	not classified
<b>14.4</b>	<b>Sea transport</b>	
<b>14.4.1</b>	<b>IMDG Class</b>	not classified
<b>14.5</b>	<b>Air transport</b>	
<b>14.5.1</b>	<b>ICAO/IATA Class</b>	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****15.1.2 Names of the ingredients given on the warning label**

3-Iodo-2-propynylbutyl carbamate (0,75 w-%)

Propiconazole (0,24 w-%)

**15.1.3 R-phrases(s)**

-

**15.1.4 S-phrase(s)**

S2 Keep out of the reach of children.

S24 Avoid contact with skin.

S37 Wear suitable gloves.

S46 If swallowed, 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 List of relevant R phrases**

**VALTTI AKVABASE**

Date 28.12.2010

Previous date: 22.6.2010

---

R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R34	Causes burns.
R20/22	Harmful by inhalation and if swallowed.
R22	Harmful if swallowed.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.

**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**

g/akk