

**BETOLUX AKVA**

Date 5.10.2007

Previous date: -

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

- 1.1 Identification of the article**
- 1.1.1 Commercial Product Name**  
BETOLUX AKVA
- 1.1.2 Product code**  
412 -series
- 1.2 Use of the Substance/Preparation**
- 1.2.1 Intended use**  
Painting work.  
Description: Water-based polyurethane-acrylate paint.
- 1.3 Identification of the company**
- 1.3.1 Supplier**  
Tikkurila Oy
- 1.3.2 Contact information:**
- P.O.Box** P.O.Box 53  
**Postcode and post office** FIN-01301 VANTAA  
FINLAND  
**Telephone** +358 9 857 71  
**Telefax** +358 9 8577 6936
- 1.3.4 Responsible for the Safety Data Sheet:**  
Tikkurila Oy, Product Safety, e-mail: productsafety@tikkurila.com
- 1.4 Emergency telephone number**
- 1.4.1 Telephone number, name and address**  
Tikkurila Oy, Environment and Safety: +358 9 857 71

**2. HAZARDS IDENTIFICATION**

The product is not classified as dangerous.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 Hazardous components	3.1.1		3.1.2 Chemical name of the substance	3.1.3 Concentration	3.1.4 Classification
	CAS number	EINECS			
-	-	-	-	-	-

**4. FIRST AID MEASURES**

- 4.1 Additional advice**  
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- 4.2 Inhalation**  
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- 4.3 Skin contact**  
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.
- 4.5 Ingestion**  
If accidentally swallowed, drink water or milk. Obtain medical attention, when necessary.

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**5. FIRE-FIGHTING MEASURES**

- 5.1 **Suitable extinguishing media**  
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- 5.2 **Extinguishing media which must not be used for safety reasons**  
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- 5.3 **Specific hazards**  
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**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 **Personal precautions**  
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- 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.

**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**

- 8.2 **Exposure controls**
- 8.2.1 **Occupational exposure controls**  
During spray-application provide adequate ventilation. Comply with the health and safety at work laws.
- 8.2.1.1 **Respiratory protection**  
If ventilation during spray-application is not sufficient, use respiratory protection with gas, vapour and dust filter AP.
- 8.2.1.2 **Hand protection**  
Always wear protective gloves (e.g. nitrile rubber). Barrier creams may also help to protect the exposed areas of the skin.
- 8.2.1.3 **Eye protection**  
During spray-application 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)**  
Coloured, viscous 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** -

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9.2.7	Vapour pressure	-
9.2.8	Relative density	1,05 - 1,20
9.2.9	Solubility	
9.2.9.1	Water solubility	Soluble

**10. STABILITY AND REACTIVITY**

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

**11. TOXICOLOGICAL INFORMATION**

- 11.1 **Acute toxicity**  
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- 11.2 **Primary irritation**  
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- 11.3 **Sensitisation**  
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- 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**

- 12.6 **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 or 08 01 12 (waste paint and varnish).  
13.2 Packaging: Empty cans should be recycled or disposed of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

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|--------|----------------|----------------|
| 14.1   | UN No          | -              |
| 14.2   | Packing group  | -              |
| 14.3   | Land transport |                |
| 14.3.1 | ADR/RID Class  | not classified |
| 14.4   | Sea transport  |                |
| 14.4.1 | IMDG Class     | not classified |

**15. REGULATORY INFORMATION**

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- 15.1 Information on the warning label**
- 15.1.1 Letter code of the warning symbol and indications of danger for the preparation**  
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- 15.1.2 Names of the ingredients given on the warning label**  
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- 15.1.3 R-phrase(s)**  
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- 15.1.4 S-phrase(s)**  
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**16. OTHER INFORMATION****16.1 Full text of R-phrases referred to under sections 2 and 3**

- R22 Harmful if swallowed.  
R38 Irritating to skin.  
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 Oy, 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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