

**PIKA-TEHO**

Date 6.6.2008

Previous date: 6.2.2007

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

- 1.1 Identification of the article**
- 1.1.1 Commercial Product Name**  
PIKA-TEHO
- 1.1.2 Product code**  
250 -series
- 1.2 Use of the Substance/Preparation**
- 1.2.1 Intended use**  
Painting work.  
Description: Matt, water-borne, oil-modified acrylic 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** FI-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**

Irritant; Xi

May cause sensitization by skin contact. 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		3.1.2	3.1.3	3.1.4
	CAS number	EINECS			
	26530-20-1	247-761-7	2-Octyl-2H-isothiazol-3-one	< 0,2 %	T, N; R22-23/24-34-43-50/53
	1314-13-2	215-222-5	Zinc oxide	< 2,5 %	N; R50/53
	55406-53-6	259-627-5	3-Iodo-2-propynyl butyl carbamate	< 0,2 %	Xn, N; R20/22-41-50

**4. FIRST AID MEASURES**

- 4.1 Additional advice**  
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- 4.2 Inhalation**  
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- 4.3 Skin contact**  
Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser.

**PIKA-TEHO**

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**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.

**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**  
Avoid skin contact with the product.

**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**

**8.1 Exposure Limit Values**  
**8.1.1 Occupational exposure limit values**  
2-Octyl-2H-isothiazol-3-one 2 mg/m<sup>3</sup> (8 h)

**8.1.2 Information on limit values**  
TLV-TWA = Threshold Limit Values - Time-weighted average / ACGIH 2007

**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 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**  
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.

**PIKA-TEHO**

Date 6.6.2008

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>9.1</b>	<b>General Information (appearance, odour)</b> Coloured, viscous liquid	
<b>9.2</b>	<b>Important Health Safety and Environmental Information</b>	
<b>9.2.2</b>	<b>Boiling point/range</b>	-
<b>9.2.3</b>	<b>Flash point</b>	-
<b>9.2.5</b>	<b>Explosive properties</b>	
<b>9.2.5.1</b>	<b>Lower explosion limit</b>	-
<b>9.2.5.2</b>	<b>Upper explosion limit</b>	-
<b>9.2.7</b>	<b>Vapour pressure</b>	-
<b>9.2.8</b>	<b>Relative density</b>	1,1 - 1,3
<b>9.2.9</b>	<b>Solubility</b>	
<b>9.2.9.1</b>	<b>Water solubility</b>	Soluble

**10. STABILITY AND REACTIVITY**

<b>10.1</b>	<b>Conditions to avoid</b> ---	
<b>10.2</b>	<b>Materials to avoid</b> ---	
<b>10.3</b>	<b>Hazardous decomposition products</b> Hazardous decomposition products may produce, when exposed to high temperatures.	

**11. TOXICOLOGICAL INFORMATION**

<b>11.1</b>	<b>Acute toxicity</b> ---	
<b>11.2</b>	<b>Primary irritation</b> ---	
<b>11.3</b>	<b>Sensitisation</b> Exposure by inhalation and skin contact may cause sensitization.	
<b>11.5</b>	<b>Human experience</b> 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**

<b>12.1</b>	<b>Ecotoxicity</b>	
<b>12.1.1</b>	<b>Aquatic toxicity</b> Zinc oxide: EC50 = 0,17 mg/l, selenastrum capricornutum, 72 h; very toxic.	
<b>12.6</b>	<b>Other adverse effects</b> 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.

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**14. TRANSPORT INFORMATION**

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
14.5	Air transport	
14.5.1	ICAO/IATA Class	not classified

**15. REGULATORY INFORMATION**

15.1	<b>Information on the warning label</b>	
15.1.1	<b>Letter code of the warning symbol and indications of danger for the preparation</b>	
	Xi	Irritant
15.1.2	<b>Names of the ingredients given on the warning label</b>	
	2-Octyl-2H-isothiazol-3-one	
	Zinc oxide	
15.1.3	<b>R-phrase(s)</b>	
	R43	May cause sensitization by skin contact.
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
15.1.4	<b>S-phrase(s)</b>	
	S2	Keep out of the reach of children.
	S23v	Do not breathe spray.
	S24	Avoid contact with skin.
	S29	Do not empty into drains.
	S37	Wear suitable gloves.
	S46	If swallowed, seek medical advice immediately and show this container or label.
	S51	Use only in well-ventilated areas.

**16. OTHER INFORMATION**

16.1	<b>Full text of R-phrases referred to under sections 2 and 3</b>	
	R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
	R43	May cause sensitization by skin contact.
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R20/22	Harmful by inhalation and if swallowed.
	R22	Harmful if swallowed.
	R23/24	Toxic by inhalation and in contact with skin.
	R34	Causes burns.
	R38	Irritating to skin.
	R41	Risk of serious damage to eyes.
	R50	Very toxic to aquatic organisms.
	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
16.4	<b>Additional information</b>	
	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	
	<b>Signature</b>	g/akk