

**HOLVI**

Date 13.5.2009

Previous date: 15.8.2006

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

- 1.1 Identification of the article**  
**1.1.1 Commercial Product Name**  
HOLVI
- 1.1.2 Product code**  
354 -series
- 1.2 Use of the Substance/Preparation**  
**1.2.1 Intended use**  
Painting work.  
Description: Tinted lime paint based on slaked lime
- 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**

Corrosive, C  
Causes severe burns.  
Information on hazard labelling in section 15.1.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>3.1 Hazardous components</b>	<b>3.1.2</b>	<b>3.1.3</b>	<b>3.1.4</b>
<b>3.1.1</b>	<b>Chemical name of the substance</b>	<b>Concentration</b>	<b>Classification</b>
<b>CAS number</b> <b>EINECS</b>			
1305-62-0        215-137-3	Calcium hydroxide	25 - 50 %	Xi; R36/37/38

**4. FIRST AID MEASURES**

- 4.1 Additional advice**  
In all cases of doubt, or when symptoms persist, seek medical attention.
- 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 immediate medical attention. DO NOT induce vomiting.

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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**  
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- 6.3 **Methods for cleaning up**  
Clean with a plenty of 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**  
Calcium hydroxide                      5 mg/m<sup>3</sup> (8 h)
- 8.1.2 **Information on limit values**  
TLV-TWA = Threshold Limit Values - Time-weighted average / ACGIH 2008
- 8.2 **Exposure controls**
- 8.2.1 **Occupational exposure controls**  
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- 8.2.1.1 **Respiratory protection**  
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- 8.2.1.2 **Hand protection**  
Always wear protective gloves (e.g. nitrile rubber).
- 8.2.1.3 **Eye protection**  
Safety eyewear must be used.
- 8.2.1.4 **Skin and body protection**  
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**9. PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 **General Information (appearance, odour)**  
Coloured paste
- 9.2 **Important Health Safety and Environmental Information**
- 9.2.1 **pH**    about 13
- 9.2.2 **Boiling point/range**                      -

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9.2.3	Flash point	-
9.2.5	Explosive properties	-
9.2.5.1	Lower explosion limit	-
9.2.5.2	Upper explosion limit	-
9.2.8	Relative density	1,45 - 1,46
9.2.9	Solubility	-
9.2.9.1	Water solubility	Soluble

**10. STABILITY AND REACTIVITY**

- 10.1 Conditions to avoid**  
The product is alkaline. It corrodes aluminium and light-alloy metals.
- 10.2 Materials to avoid**  
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- 10.3 Hazardous decomposition products**  
Reacts with acids generating heat.

**11. TOXICOLOGICAL INFORMATION**

- 11.1 Acute toxicity**  
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- 11.2 Primary irritation**  
pH of the product is about 13. Strongly irritating to the skin, eyes and respiratory system. May cause burns.
- 11.3 Sensitisation**  
Repeated or prolonged skin contact with the product may cause skin rashes.
- 11.5 Human experience**  
11.5.1 Inhalation ---  
11.5.2 Skin contact: Prolonged contact with the product irritates the skin.  
11.5.3 Other effects: Harmful if taken internally.
- 11.6 Other information of acute toxicity**  
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**12. ECOLOGICAL INFORMATION**

- 12.1 Ecotoxicity**
- 12.1.1 Aquatic toxicity**  
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- 12.2 Mobility**  
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- 12.3 Persistence and degradability**
- 12.3.1 Biodegradation**  
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- 12.4 Bioaccumulative potential**  
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- 12.6 Other adverse effects**  
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**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>	
	C	Corrosive
15.1.2	<b>Names of the ingredients given on the warning label</b>	
	Calcium hydroxide	
15.1.3	<b>R-phrases</b>	
	R35	Causes severe burns.
15.1.4	<b>S-phrases</b>	
	S1/2	Keep locked up and out of the reach of children.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**16. OTHER INFORMATION**

16.1	<b>Full text of R-phrases referred to under sections 2 and 3</b>	
	R35	Causes severe burns.
	R36/37/38	Irritating to eyes, respiratory system and skin.
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>	J3/ars