

Date 20.3.2009

Previous date: 17.5.2006

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

- 1.1 Identification of the article**
1.1.1 Commercial Product Name
KIVITEX SILICATE PAINT
- 1.1.2 Product code**
355 -series
- 1.2 Use of the Substance/Preparation**
1.2.1 Intended use
Painting work
Description: Waterborne inorganic potash waterglass-based one-component facade 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
Risk of serious damage to eyes.
Information on hazard labelling in section 15.1.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Hazardous components		3.1.2 Chemical name of the substance	3.1.3 Concentration	3.1.4 Classification
	3.1.1 CAS number	EINECS			
	1312-76-1	215-199-1	Potassium silicate	1 - 10 %	Xi; R38-41
	14808-60-7	238-878-4	Quartz	1 - 5 %	Xn; R48/20

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.
- 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.

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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**
Avoid skin and eye 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**
Quartz 0,025 mg/m³ (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**
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**
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**
- 9.2.1 **pH** about 11-12

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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	1,3 - 1,5
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**
The product contains potassium silicate. Risk of serious damage to eyes.
- 11.3 **Sensitisation**

- 11.5 **Human experience**
11.5.1 Inhalation: Long term exposure to spray mist irritates the respiratory system.
11.5.2 Skin contact: Spray mist and splashes cause eye irritation. Repeated or prolonged contact with the preparation may cause skin irritation.
11.5.3 Other effects: Harmful if taken internally.

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

- | | | |
|--------|----------------|----------------|
| 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 |

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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

Xi Irritant

15.1.2 Names of the ingredients given on the warning label

Potassium silicate

15.1.3 R-phrases(s)

R41 Risk of serious damage to eyes.

15.1.4 S-phrases(s)

S2 Keep out of reach of children.

S23 Do not breathe vapour/spray.

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.

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 Full text of R-phrases referred to under sections 2 and 3

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R41 Risk of serious damage to eyes.

R38 Irritating to skin.

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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