

**TEMAFLOOR AC502**

Date 16.7.2010

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**  
TEMAFLOOR AC502
- 1.1.2 Product code**  
001 6086
- 1.2 Use of the Substance/Preparation**
- 1.2.1 Intended use**  
Painting work.  
Description: 2-component acrylic coating, base part.
- 1.3 Identification of the company**
- 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 number**
- 1.4.1 Telephone number, name and address**  
Tikkurila Oyj, Environment and Safety: +358 9 857 71

**2. HAZARDS IDENTIFICATION**

Highly flammable, F  
Irritant, Xi  
Irritating to respiratory system and skin. May cause sensitization by skin contact.  
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            |
| 80-62-6    | 201-297-1 | Methyl metacrylate                    | 15 - 40 %     | F, Xi; R11-37/38-43       |
| 103-11-7   | 203-080-7 | 2-Ethylhexyl acrylate                 | 15 - 40 %     | Xi; R37/38-43             |
| 38668-48-3 | 254-075-1 | N,N-bis-(2-hydroxypropyl)-p-toluidine | 0,1 - 1 %     | T; R25-41-52/53           |
| 99-97-8    | 202-805-4 | N,N-Dimethyl-p-toluidine              | 0,1 - 1 %     | T; R23/24/25-33-52/53     |
| 8052-41-3  | 232-489-3 | Stoddard solvent                      | 0,1 - 1 %     | Xn, N; R10-65-66-67-51/53 |
- 3.1.7 Further information**  
Stoddardsolvent: contains benzene less than 0,1 w-%.

**4. FIRST AID MEASURES**

- 4.1 Additional advice**

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In all cases of doubt, or when symptoms persist, seek medical attention. Medical treatment is necessary if symptoms occur which are caused by skin or eye contact with the product or by inhalation of its vapours.

**4.2 Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration and seek medical advice.

**4.3 Skin contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation occurs seek medical advice.

**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. DO NOT induce vomiting.

**5. FIRE-FIGHTING MEASURES****5.1 Suitable extinguishing media**

Use foam, CO2 or powder.

**5.2 Extinguishing media which must not be used for safety reasons**

Waterjet

**5.3 Specific hazards**

Fire will produce dense black smoke, which contains decomposition products. Avoid breathing the smoke.

**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions**

Avoid breathing vapours. Exclude sources of ignition.

**6.2 Environmental precautions**

Do not allow to enter drains or water courses.

**6.3 Methods for cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean preferably with a detergent; avoid the use of solvents.

**7. HANDLING AND STORAGE****7.1 Handling**

Vapours are heavier than air and may form explosive mixtures with air. Good ventilation must be provided. Keep away from sources of ignition. Take precautionary measures against static discharges.

**7.2 Storage**

Keep containers tightly closed. Store in a cool, dry, well ventilated place, at a temperature not exceeding 25 °C in the original container. Protect from light. Fill the container by approximately 80 % only as oxygen (air) is required for stabilisation.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 Exposure Limit Values****8.1.1 Occupational exposure limit values**

Methyl metacrylate	50 ppm (8 h)	100 ppm (15 min)
Stoddard solvent	100 ppm (8 h)	

**8.1.2 Information on limit values**

TLV-TWA = Threshold Limit Values - Time-weighted average / ACGIH 2009

TLV-STEL = Threshold Limit Values - Short-term exposure limit / ACGIH 2009

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**8.2 Exposure controls****8.2.1 Occupational exposure controls**

Provide adequate ventilation. Comply with the health and safety at work laws. Avoid contact with eyes and skin.

**8.2.1.1 Respiratory protection**

In case of high concentrations use a breathing apparatus. Short term: appropriate certified respirators with gas and vapour filter A. During continuous and long-term work the use of air-fed or motor-driven respirators is recommended.

**8.2.1.2 Hand protection**

Always wear approved protective gloves, e.g. butyl rubber (0,7 mm, breakthrough time 60 min) against chemicals. Splash protection: neoprene rubber. Gloves should be replaced regularly. Barrier creams may also help to protect the exposed areas of the skin.

**8.2.1.3 Eye protection**

Use safety eyewear.

**8.2.1.4 Skin and body protection**

Protective clothing must be used. On handling of larger quantities also face shield, chemical-resistant boots, apron.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 General Information (appearance, odour)**

Viscous liquid, strong odour

**9.2 Important Health Safety and Environmental Information**

**9.2.2 Boiling point/range** about 100 °C

**9.2.3 Flash point** 10 °C \*)

**9.2.5 Explosive properties**

**9.2.5.1 Lower explosion limit** 2,1 vol-% \*)

**9.2.5.2 Upper explosion limit** 12,5 vol-% \*)

**9.2.7 Vapour pressure** about 40 hPa (20 °C)

**9.2.8 Relative density** 0,98

**9.2.9 Solubility**

**9.2.9.1 Water solubility** about 20 g/l (20 °C)

**9.3 Other data**

\*) = Methyl metacrylate

**10. STABILITY AND REACTIVITY****10.1 Conditions to avoid**

Vapours may form explosive mixtures with air.

The product is normally supplied in a stabilized form. If the permissible storage period or storage temperature is exceeded, the product may polymerize with heat evolution.

**10.2 Materials to avoid**

Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances or heavy metal ions.

**10.3 Hazardous decomposition products**

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**11. TOXICOLOGICAL INFORMATION****11.1 Acute toxicity**

See section 11.5.

**11.2 Primary irritation**

See section 11.5.

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**11.3 Sensitisation**

Contains methyl metacrylate and 2-ethylhexyl acrylate. May cause sensitization by skin contact.

**11.5 Human experience**

11.5.1 Inhalation: Exposure to vapours may cause mucous membrane and respiratory system irritation.

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 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 (waste paint and varnish containing organic solvents or other dangerous substances).

The ready for use mixture of base and hardener generates much heat. Allow the remainder of the mixture to harden in a safe place, e.g. in the open.

13.2 Packaging waste: Empty cans should be recycled or disposed of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

14.1	UN No	1866
14.2	Packing group	II
14.3	Land transport	
14.3.1	ADR/RID Class	3
14.3.3	Description of the goods	Resin solution
14.4	Sea transport	
14.4.1	IMDG Class	3
14.4.2	Proper shipping name	Resin solution
	Marine pollutant	no
14.4.3	Further Information	EmS: F-E,S-E
14.5	Air transport	
14.5.1	ICAO/IATA Class	3
14.5.2	Proper shipping name	Resin solution

**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**

F Highly flammable

Xi Irritant

**15.1.2 Names of the ingredients given on the warning label**

Methyl metacrylate

2-Ethylhexyl acrylate

**15.1.3 R-phrases**

R11 Highly flammable.

R37/38 Irritating to respiratory system and skin.

R43 May cause sensitization by skin contact.

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**15.1.4 S-phrases(s)**

S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour.
S24	Avoid contact with skin.
S29	Do not empty into drains.
S33	Take precautionary measures against static discharges.
S37	Wear suitable gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.

**16. OTHER INFORMATION****16.1 Full text of R-phrases referred to under sections 2 and 3**

R25	Toxic if swallowed.
R41	Risk of serious damage to eyes.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R33	Danger of cumulative effects.
R10	Flammable.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R11	Highly flammable.
R37/38	Irritating to respiratory system and skin.
R43	May cause sensitization by skin contact.

**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](mailto:productsafety@tikkurila.com)

**Signature**

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