

TEMALAC AB MIO

Date 28.10.2010

Previous date: 12.5.2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1 Identification of the article****1.1.1 Commercial Product Name**
TEMALAC AB MIO**1.1.2 Product code**
610 0306**1.2 Use of the Substance/Preparation****1.2.1 Intended use**Painting work.
Description: Alkyd topcoat**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

Flammable.

Dangerous for the environment, N

Toxic 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**

3.1.1		3.1.2	3.1.3	3.1.4
CAS number	EINECS	Chemical name of the substance	Concentration	Classification
64742-48-9	265-150-3	Naphtha, hydrotreated heavy (aliphatic hydrocarbon solvent)	25 - 50 %	Xn; R10-65-66
1314-13-2	215-222-5	Zinc oxide	2,5 - 5 %	N; R50/53
96-29-7	202-496-6	Ethyl methyl ketoxime	< 0,5 %	Xn; R21-40-41-43

3.1.7 Further information

Naphtha, hydrotreated heavy (aliphatic hydrocarbon solvent): contains benzene less than 0,1 w-%.

4. FIRST AID MEASURES**4.1 Additional advice**

In all cases of doubt, or when symptoms persist, seek medical attention.

4.2 Inhalation

Remove to fresh air, keep patient warm and at rest.

TEMALAC AB MIO

Date 28.10.2010

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Use appropriate certified respirators, with gas and vapour filter A, during sanding with dust filter P2, if ventilation is insufficient. During spray-application use respirators with gas, vapour and dust filter AP. 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 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

Safety eyewear must be used, specially during spray-application.

8.2.1.4 Skin and body protection

Protective clothing must be used during spray-application.

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

Coloured, viscous liquid, strong odour.

9.2 Important Health Safety and Environmental Information

9.2.2 Boiling point/range 145 - 200 °C *)

9.2.3 Flash point 36 °C *)

9.2.5 Explosive properties

9.2.5.1 Lower explosion limit 1,4 vol-% *)

9.2.5.2 Upper explosion limit 7,6 vol-% *)

9.2.7 Vapour pressure 1,0 kPa (38 °C) *)

9.2.8 Relative density 1,3

9.2.9 Solubility

9.2.9.1 Water solubility Insoluble

9.2.11 Viscosity flow time more than 30 sec / ISO 3 mm cup

9.3 Other data

Evaporation rate (BuAc=1) : 0,11 *)

*) Naphtha, hydrotreated heavy (aliphatic hydrocarbon solvent)

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

Solvent vapours may form explosive mixtures with air.

10.2 Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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.

11.3 Sensitisation

Contains ethyl methyl ketoxime. May produce an allergic reaction.

11.5 Human experience

TEMALAC AB MIO

Date 28.10.2010

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11.5.1 Inhalation: Solvent vapours and spray mist harmful if inhaled. Long term exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache and dizziness.

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**12.1 Ecotoxicity****12.1.1 Aquatic toxicity**

Zinc oxide: EC50 = 0,17 mg/l, selenastrum capricornutum, 72 h; very toxic.

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).

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

14. TRANSPORT INFORMATION

14.1	UN No	1263
14.2	Packing group	III
14.3	Land transport	
14.3.1	ADR/RID Class	3
14.3.3	Description of the goods	paint
14.4	Sea transport	
14.4.1	IMDG Class	3
14.4.2	Proper shipping name	paint
	Marine pollutant	yes
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	paint

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**

N Dangerous for the environment

15.1.2 Names of the ingredients given on the warning label

Naphtha, hydrotreated heavy (aliphatic hydrocarbon solvent)

Zinc oxide

15.1.3 R-phrases

R10

Flammable.

R51/53

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

TEMALAC AB MIO

Date 28.10.2010

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15.1.4 S-phrases(s)

S23 Do not breathe vapour/spray.
S29 Do not empty into drains.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.

15.1.5 Special regulations on certain preparations

Contains ethyl methyl ketoxime. May produce an allergic reaction.

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

R10 Flammable.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R21 Harmful in contact with skin.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

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

Signature

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