

LAKKAKITTI (Lacquer Putty)

Date 3.5.2010

Previous date: 10.1.2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1 Identification of the article****1.1.1 Commercial Product Name**

LAKKAKITTI (Lacquer Putty)

1.1.2 Product code

007 2270

1.2 Use of the Substance/Preparation**1.2.1 Intended use**

Painting work.

Description: quickly drying alkyd filler

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.

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****3.1.1****CAS number****EINECS****3.1.2****Chemical name of the substance****3.1.3****Concentration****3.1.4****Classification**

64742-48-9

265-150-3

Naphtha, hydrotreated heavy
(aliphatic hydrocarbon solvent)

1 - 5 %

Xn; R10-65-66

64742-82-1

265-185-4

Naphtha, hydrodesulfurized
heavy

1 - 5 %

Xn, N; R10-65-66-67-51/53

64742-95-6

265-199-0

Solvent naphtha, light aromatic

1 - 5 %

Xn, N; R10-37-65-66-67-51/53

96-29-7

202-496-6

Ethyl methyl ketoxime

< 0,2 %

Xn; R21-40-41-43

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

4.2 Inhalation

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

LAKKAKITTI (Lacquer Putty)

Date 3.5.2010

Previous date: 10.1.2006

- 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, 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.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**
Use foam, CO₂, powder or water spray.
- 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 away from sources of heat and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.2 Exposure controls**
- 8.2.1 Occupational exposure controls**
Provide adequate ventilation. Comply with the health and safety at work laws.
- 8.2.1.1 Respiratory protection**
Use appropriate certified respirators, with gas and vapour filter A, during sanding with dust filter P2, if ventilation is insufficient.
- 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**
During spray-application and sanding use safety eyewear.
- 8.2.1.4 Skin and body protection**
During spray-application and sanding use safety eyewear.

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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	
9.2.2	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 kPa (38 °C) *)
9.2.8	Relative density	1,97
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	

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 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 Naphtha, hydrodesulfurized heavy: LC50 = 1-100 mg/l (estimate); toxic Solvent naphtha, light aromatic: LC50 = 1-10 mg/l, fish, crustacean, algae (estimate); toxic

LAKKAKITTI (Lacquer Putty)

Date 3.5.2010

Previous date: 10.1.2006

12.3 Persistence and degradability**12.3.1 Biodegradation**

Naphtha, hydrodesulfurized heavy: 75 %, 28 d; readily biodegradable
Solvent naphtha, light aromatic: 78 %, 28 d; readily biodegradable

12.4 Bioaccumulative potential

Naphtha, hydrodesulfurized heavy: octanol/water partition coefficient log Kow = 2-7
Solvent naphtha, light aromatic: octanol/water partition coefficient log Pow = 3,7-4,5 (estimate)

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: 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
14.3.4	Further Information	Drums/vessels < 450 litres: not subject to ADR because of high viscosity
14.4	Sea transport	
14.4.1	IMDG Class	3
14.4.2	Proper shipping name	paint
	Marine pollutant	no
14.4.3	Further Information	EmS: F-E,S-E Drums/vessels < 30 litres: Transport in accordance with paragraph 2.3.2.5 of the IMDG Code.
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****15.1.2 Names of the ingredients given on the warning label**

Naphtha, hydrodesulfurized heavy

15.1.3 R-phrases

R10 Flammable.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

15.1.4 S-phrases

S2 Keep out of the reach of children.
S29 Do not empty into drains.

LAKKAKITTI (Lacquer Putty)

Date 3.5.2010

Previous date: 10.1.2006

S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.

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.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R21 Harmful in contact with skin.
R37 Irritating to respiratory system.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R51/53 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.
R67 Vapours may cause drowsiness and dizziness.

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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