

FONTECOAT EP 80

Date 3.4.2008

Previous date: 4.3.2008

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

- 1.1 Identification of the article**
1.1.1 Commercial Product Name
 FONTECOAT EP 80
- 1.1.2 Product code**
 169 -series
- 1.2 Use of the Substance/Preparation**
1.2.1 Intended use
 Painting work.
 Description: A two component waterborne epoxy topcoat, 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 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

Irritating to eyes and skin. 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		3.1.2	3.1.3	3.1.4
	CAS number	EINECS			
	123-42-2	204-626-7	Diacetone alcohol	0 - 5 %	Xi; R10-36
	67-63-0	200-661-7	Isopropanol	0 - 5 %	F, Xi; R11-36-67
	107-98-2	203-539-1	1-Methoxy-2-propanol	0 - 5 %	-; R10
	1477-55-0	216-032-5	m-Xylylenediamine	< 1 %	C; R20/22-34-43-52/53
	2855-13-2	220-666-8	Isophorone diamine	< 1 %	C; R21/22-34-43-52/53
	-	-	Aliphatic polyamine adduct	1 - 5 %	N; R51/53

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.

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- 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, drink water or milk. Obtain medical attention, when necessary.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**

- 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 skin 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**
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. Do not allow to freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Exposure Limit Values**
- 8.1.1 Occupational exposure limit values**
- | | |
|----------------------|-----------------------------|
| Diacetone alcohol | 50 ppm (8 h) |
| Isopropanol | 200 ppm (8 h) |
| 1-Methoxy-2-propanol | 100 ppm (8 h) |
| m-Xylylenediamine | 0,1 mg/m ³ (8 h) |
- 8.1.2 Information on limit values**
TLV-TWA = Threshold Limit Values - Time-weighted average / ACGIH 2007
- 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. During spray-application use respirators with gas, vapour and dust filter AP.
- 8.2.1.2 Hand protection**

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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

Use suitable protective clothing.

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 -

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 1,64 - 1,67

9.2.9 Solubility

9.2.9.1 Water solubility Miscible

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

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 isophorone diamine and xylylenediamine. May produce an allergic reaction.

11.5 Human experience

11.5.1 Inhalation: Spray mist causes irritation of mucous membranes of nose and throat and respiratory system.

11.5.2 Skin contact: Spray mist and splashes may cause skin and eye irritation.

11.5.3 Other effects: Harmful if taken internally.

12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity****12.1.1 Aquatic toxicity**

Aliphatic polyamine adduct that the product contains, is toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

12.6 Other adverse effects

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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	-
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	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	
	m-Xylylenediamine	
	Aliphatic polyamine adduct	
15.1.3	R-phrase(s)	
	R36/38	Irritating to eyes and skin.
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
15.1.4	S-phrase(s)	
	S23v	Do not breathe spray.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S29	Do not empty into drains.
	S37	Wear suitable gloves.
	S51	Use only in well-ventilated areas.
15.1.5	Special regulations on certain preparations	
	Contains isophorone diamine and xylylenediamine. May produce an allergic reaction.	

16. OTHER INFORMATION

16.1	Full text of R-phrases referred to under sections 2 and 3	
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R36/38	Irritating to eyes and skin.
	R10	Flammable.
	R11	Highly flammable.
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R20/22	Harmful by inhalation and if swallowed.
	R21/22	Harmful in contact with skin and if swallowed.

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R34	Causes burns.
R36	Irritating to eyes.
R43	May cause sensitization by skin contact.
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 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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