

FONTEDUR HB 80

Date 9.10.2008

Previous date: 29.2.2008

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

1.1.1 Commercial Product Name
FONTEDUR HB 80

1.1.2 Product code
156 -series

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

Painting work.

Description: A water-borne two-component polyurethane paint, 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

The product is not classified as dangerous.

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
71-36-3	200-751-6		n-Butanol	1 - 2,5 %	Xn; R10-22-37/38-41-67
112-07-2	203-933-3		Butylglycol acetate	0 - 2,5 %	Xn; R20/21

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

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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

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**

n-Butanol 20 ppm (8 h)

Butylglycol acetate 20 ppm (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**

During spray-application provide adequate ventilation. Comply with the health and safety at work laws.

8.2.1.1 Respiratory protection

If ventilation is insufficient, use appropriate certified respirators with gas, vapour and dust filter AP. During spray-application or during continuous and long-term work, an air-fed protective respiratory equipment must be worn even when good ventilation is provided.

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

Use suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1	General Information (appearance, odour) Coloured, viscous liquid	
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	1,3 - 1,4
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**
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**

- 11.2 Primary irritation**

- 11.3 Sensitisation**

- 11.5 Human experience**
11.5.1 Inhalation: Long term exposure may cause irritation of respiratory system.
11.5.2 Skin contact: Spray mist and splashes may cause skin and eye irritation.
11.5.3 Other effects: ---

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 hardener reacts with water resulting in evolution of carbon dioxide (CO₂). The ready for use mixture of paint and hardener will form carbon dioxide which in closed containers can result in pressurisation.
- 13.2 Packaging: Empty cans should be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

- 14.1 UN No** -

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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	
15.1.2	Names of the ingredients given on the warning label	-
15.1.3	R-phrase(s)	-
15.1.4	S-phrase(s)	-
15.1.5	Special regulations on certain preparations	Safety data sheet available for professional user on request.

16. OTHER INFORMATION

16.1	Full text of R-phrases referred to under sections 2 and 3	
	R10	Flammable.
	R20/21	Harmful by inhalation and in contact with skin.
	R22	Harmful if swallowed.
	R37/38	Irritating to respiratory system and skin.
	R41	Risk of serious damage to eyes.
	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	
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