

FONTECOAT EP 50: **FAL base paint and and shades made from it and TVT 595F**

Date 19.9.2011

Previous date: 25.11.2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****1.1.1 Commercial Product Name**

FONTECOAT EP 50:

FAL base paint and and shades made from it and TVT 595F

1.1.2 Product code

168 8221, 168 595F

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Recommended use**

Painting work.

Description: A two component, waterborne epoxy paint, base part.

Only for industrial and professional use. The product is not intended for consumer use.

1.3 Details of the supplier of the safety data sheet**1.3.1 Supplier**

Tikkurila Oyj

P.O.Box

P.O.Box 53

Postcode and post office

FI-01301 VANTAA

FINLAND

Telephone

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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**2.1 Classification of the substance or mixture****67/548/EEC - 1999/45/EC**

Xi; R43-52/53

2.2 Label elements**67/548/EEC - 1999/45/EC**

Xi Irritant

R-phrases(s)

R43

May cause sensitization by skin contact.

R52/53

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

S-phrases(s)

S23v

Do not breathe spray.

S38

In case of insufficient ventilation, wear suitable respiratory equipment.

S24

Avoid contact with skin.

S36/37

Wear suitable protective clothing and gloves.

S29

Do not empty into drains.

Contains:

Aliphatic polyamine adduct and Isophorone diamine

2.3 Other hazards

Other hazards are not known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

FONTECOAT EP 50: **FAL base paint and and shades made from it and TVT 595F**

Date 19.9.2011

Previous date: 25.11.2010

3.2 Mixtures				
Hazardous components				
CAS number	EINECS	Chemical name of the substance	Concentration	Classification
-	-	Aliphatic polyamine adduct	5 - 10 %	N; R51/53
2855-13-2	220-666-8	Isophorone diamine	1 - 5 %	C; R21/22-34-43-52/53
1477-55-0	216-032-5	m-Xylylenediamine	< 1 %	T; R22-23-34-43-52/53
7779-90-0	231-994-3	Zinc phosphate	< 0,25 %	N; R50/53
107-98-2	203-539-1	1-Methoxy-2-propanol	0 - 5 %	-; R10-67
123-42-2	204-626-7	Diacetone alcohol	0 - 5 %	Xi; R36

3.3 Other information

See Section 16 for full text of R-phrases and H-statements.

4. FIRST AID MEASURES**4.1 Description of first aid measures**

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

4.1.2 Inhalation

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

4.1.3 Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.

4.1.4 Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 15 minutes and seek medical advice if necessary.

4.1.5 Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

May cause sensitization by skin contact.

4.3 Indication of immediate medical attention and special treatment needed

None.

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**Recommended: Alcohol resistant foam, CO₂, powders or water spray/mist.**5.1.2 Extinguishing media which must not be used for safety reasons**

None known.

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

FONTECOAT EP 50: **FAL base paint and and shades made from it and TVT 595F**

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Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Avoid skin contact with the product. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Do not allow to enter drains or water courses.

6.3 Methods and materials for containment and 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.

6.4 Reference to other sections

See also Section 13 for waste disposal instructions.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated place. Keep away from oxidising agents, from strongly alkaline and strongly acid materials. No smoking. Keep container tightly closed.

7.3 Specific end use(s)

None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****8.1.1 Occupational exposure limit values**

1-Methoxy-2-propanol (TLV)	100 ppm (8 h)	150 ppm (15 min)
Diacetone alcohol (TLV)	50 ppm (8 h)	
m-Xylylenediamine (TLV-C)	0,1 mg/m ³ (8 h)	
1-Methoxy-2-propanol (EU)	100 ppm (8 h)	150 ppm (15 min)
	Skin	

8.1.2 Other information on limit values

TLV = Threshold Limit Values according to ACGIH 2009 (American Conference of Governmental Industrial Hygienists)

TLV-C = Threshold Limit Values - Ceiling limit according to ACGIH 2009 (American Conference of Governmental Industrial Hygienists)

EU = Occupational Exposure Limit Values according to EU Directives 1998/24/EC, 2000/39/EC, 2006/15/EC, 2009/161/EU.

Skin = A skin notation assigned to the occupational exposure limit value indicates the possibility of significant uptake through the skin.

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and vapour below the OEL, suitable respiratory protection must be worn.

8.2.2 Individual protection measures**8.2.2.1 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 A/P3. During continuous and long-term work the use of motor-driven or air-fed respirators is recommended.

8.2.2.2 Hand protection

FONTECOAT EP 50: **FAL base paint and and shades made from it and TVT 595F**

Date 19.9.2011

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Always wear approved protective gloves against chemicals.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Gloves should be replaced regularly. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended protective glove type is e.g.:

nitrile rubber (splash protection),

butyl rubber (splash protection),

laminated foil (breakthrough time > 480 min.)

PVC or natural rubber gloves are not recommended.

8.2.2.3 Eye/face protection

Use safety eyewear, specially during spray-application.

8.2.2.4 Skin protection

Personnel should wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

Coloured, viscous liquid, strong odour.

9.1.6 Initial boiling point and boiling range 120 °C *)

9.1.7 Flash point > 100 °C

9.1.10 Explosive properties

9.1.10.1 Lower explosion limit 3 vol-% *)

9.1.10.2 Upper explosion limit 12 vol-% *)

9.1.11 Vapour pressure 1,45 kPa (25 °C) *)

9.1.13 Relative density 1,6 - 1,7

9.1.14 Solubility(ies)

9.1.14.1 Water solubility Miscible

9.2 Other information

Evaporation rate (BuAc=1) : 0,7 *)

*) = 1-Methoxy-2-propanol

10. STABILITY AND REACTIVITY**10.1 Reactivity**

See section 10.5.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

See section 10.5.

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials

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

10.6 Hazardous decomposition products

Hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. may produce when exposed to high temperatures.

11. TOXICOLOGICAL INFORMATION

FONTECOAT EP 50:**FAL base paint and and shades made from it and TVT 595F**

Date 19.9.2011

Previous date: 25.11.2010

11.1 Information on toxicological effects

There are no toxicological test data available on the product itself.

11.1.3 Sensitisation

Exposure by inhalation and skin contact may cause sensitization.

Contains small amounts of preservatives: 2-methyl-2H-isothiazol-3-one and bronopol.

11.1.8 Other information on acute toxicity

Inhalation: Long term exposure to spray mist causes irritation of respiratory system and mucous membranes of nose and throat.

Skin contact: Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis. The liquid splashed in the eyes may cause irritation.

Ingestion: Ingestion may cause nausea.

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

Aliphatic polyamine adduct: Toxic to aquatic organisms.

12.2 Persistence and degradability**12.2.1 Biodegradation**

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

There is no ecotoxicological test data available on the product itself. The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****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).

Packaging waste:

Empty cans should be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1 UN number None

14.2 UN proper shipping name None

14.3 Transport hazard class(es) Not classified

14.4 Packing group None

14.5 Environmental hazards

The product is not classified as environmentally hazardous according to international transport regulations.

14.6 Special precautions for users

None known.

FONTECOAT EP 50: **FAL base paint and and shades made from it and TVT 595F**

Date 19.9.2011

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- 14.7** **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
None known.

15. REGULATORY INFORMATION

- 15.1** **Safety, health and environmental regulations/legislation specific for the substance or mixture**
None known.
- 15.2** **Chemical safety assessment**
Has not been performed.

16. OTHER INFORMATION

- 16.5** **Full text of R-phrases and/or Hazard statements (H-statements) referred to under sections 2 and 3**
- | | |
|--------|--|
| R10 | Flammable. |
| R21/22 | Harmful in contact with skin and if swallowed. |
| R22 | Harmful if swallowed. |
| R23 | Toxic by inhalation. |
| R34 | Causes burns. |
| R36 | Irritating to eyes. |
| R37/38 | Irritating to respiratory system and skin. |
| R43 | May cause sensitization by skin contact. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67 | Vapours may cause drowsiness and dizziness. |
- 16.8** **Additional information**
This Safety Data Sheet is prepared in accordance with Annex II (EU) No 453/2010 to Regulation (EC) No 1907/2006 (REACH).
The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
Additional information available from:
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Signature

gf/niear

FONTECOAT EP 50: **FCH base paint, shades made from it and TVT 696S, 722K, RAL 5003**

Date 19.9.2011

Previous date: 19.4.2011

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****1.1.1 Commercial Product Name**

FONTECOAT EP 50:

FCH base paint, shades made from it and TVT 696S, 722K, RAL 5003

1.1.2 Product code

168 8323, 168 696S, 168 722K, 168 R503

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Recommended use**

Painting work.

Description: A two component, waterborne epoxy paint, base part.

Only for industrial and professional use. The product is not intended for consumer use.

1.3 Details of the supplier of the safety data sheet**1.3.1 Supplier**

Tikkurila Oyj

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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**2.1 Classification of the substance or mixture****67/548/EEC - 1999/45/EC**

Xi, N; R43-51/53

2.2 Label elements**67/548/EEC - 1999/45/EC**

Xi

Irritant

N

Dangerous for the environment

R-phrases(s)

R43

May cause sensitization by skin contact.

R51/53

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

S-phrases(s)

S23v

Do not breathe spray.

S38

In case of insufficient ventilation, wear suitable respiratory equipment.

S24

Avoid contact with skin.

S36/37

Wear suitable protective clothing and gloves.

S29

Do not empty into drains.

Contains:

Zinc phosphate and Isophorone diamine

2.3 Other hazards

Other hazards are not known.



FONTECOAT EP 50: **FCH base paint, shades made from it and TVT 696S, 722K, RAL 5003**

Date 19.9.2011

Previous date: 19.4.2011

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Hazardous components**

CAS number	EINECS	Chemical name of the substance	Concentration	Classification
-	-	Aliphatic polyamine adduct	5 - 10 %	N; R51/53
7779-90-0	231-994-3	Zinc phosphate	2,5 - 5 %	N; R50/53
107-98-2	203-539-1	1-Methoxy-2-propanol	1 - 5 %	-; R10-67
2855-13-2	220-666-8	Isophorone diamine	1 - 5 %	C; R21/22-34-43-52/53
1477-55-0	216-032-5	m-Xylylenediamine	< 1 %	T; R22-23-34-43-52/53

3.3 Other information

See Section 16 for full text of R-phrases and H-statements.

4. FIRST AID MEASURES**4.1 Description of first aid measures**

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

4.1.2 Inhalation

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

4.1.3 Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.

4.1.4 Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 15 minutes and seek medical advice if necessary.

4.1.5 Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

May cause sensitization by skin contact.

4.3 Indication of immediate medical attention and special treatment needed

None.

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**Recommended: Alcohol resistant foam, CO₂, powders or water spray/mist.**5.1.2 Extinguishing media which must not be used for safety reasons**

None known.

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

FONTECOAT EP 50:**FCH base paint, shades made from it and TVT 696S, 722K, RAL 5003**

Date 19.9.2011

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- 6.1 Personal precautions, protective equipment and emergency procedures**
Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Avoid skin contact with the product. Refer to protective measures listed in sections 7 and 8.
- 6.2 Environmental precautions**
Do not allow to enter drains or water courses.
- 6.3 Methods and materials for containment and 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.
- 6.4 Reference to other sections**
See also Section 13 for waste disposal instructions.

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store in a cool, dry, well ventilated place. Keep away from oxidising agents, from strongly alkaline and strongly acid materials. No smoking. Keep container tightly closed.
- 7.3 Specific end use(s)**
None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational exposure limit values**
- | | | |
|----------------------------|-----------------------------|------------------|
| m-Xylylenediamine (TLV-C) | 0,1 mg/m ³ (8 h) | |
| 1-Methoxy-2-propanol (TLV) | 100 ppm (8 h) | 150 ppm (15 min) |
| 1-Methoxy-2-propanol (EU) | 100 ppm (8 h) | 150 ppm (15 min) |
| | Skin | |
- 8.1.2 Other information on limit values**
TLV = Threshold Limit Values according to ACGIH 2009 (American Conference of Governmental Industrial Hygienists)
TLV-C = Threshold Limit Values - Ceiling limit according to ACGIH 2009 (American Conference of Governmental Industrial Hygienists)
EU = Occupational Exposure Limit Values according to EU Directives 1998/24/EC, 2000/39/EC, 2006/15/EC, 2009/161/EU.
Skin = A skin notation assigned to the occupational exposure limit value indicates the possibility of significant uptake through the skin.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and vapour below the OEL, suitable respiratory protection must be worn.
- 8.2.2 Individual protection measures**
- 8.2.2.1 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 A/P3. During continuous and long-term work the use of motor-driven or air-fed respirators is recommended.
- 8.2.2.2 Hand protection**

FONTECOAT EP 50: **FCH base paint, shades made from it and TVT 696S, 722K, RAL 5003**

Date 19.9.2011

Previous date: 19.4.2011

Always wear approved protective gloves against chemicals.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Gloves should be replaced regularly. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended protective glove type is e.g.:

nitrile rubber (splash protection),

butyl rubber (splash protection),

laminated foil (breakthrough time > 480 min.)

PVC or natural rubber gloves are not recommended.

8.2.2.3 Eye/face protection

Use safety eyewear, specially during spray-application.

8.2.2.4 Skin protection

Personnel should wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

Coloured, viscous liquid, strong odour.

9.1.6 Initial boiling point and boiling range 120 °C *)

9.1.7 Flash point > 100 °C

9.1.10 Explosive properties

9.1.10.1 Lower explosion limit 3 vol-% *)

9.1.10.2 Upper explosion limit 12 vol-% *)

9.1.11 Vapour pressure 1,45 kPa (25 °C) *)

9.1.13 Relative density 1,6 - 1,7

9.1.14 Solubility(ies)

9.1.14.1 Water solubility Miscible

9.2 Other information

Evaporation rate (BuAc=1) : 0,7 *)

*) = 1-Methoxy-2-propanol

10. STABILITY AND REACTIVITY**10.1 Reactivity**

See section 10.5.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

See section 10.5.

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5 Incompatible materials

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

10.6 Hazardous decomposition products

Hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. may produce when exposed to high temperatures.

11. TOXICOLOGICAL INFORMATION

FONTECOAT EP 50:**FCH base paint, shades made from it and TVT 696S, 722K, RAL 5003**

Date 19.9.2011

Previous date: 19.4.2011

11.1 Information on toxicological effects

There are no toxicological test data available on the product itself.

11.1.3 Sensitisation

Exposure by inhalation and skin contact may cause sensitization.

Contains small amounts of preservatives: 2-methyl-2H-isothiazol-3-one and bronopol.

11.1.8 Other information on acute toxicity

Inhalation: Long term exposure to spray mist causes irritation of respiratory system and mucous membranes of nose and throat.

Skin contact: Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis. The liquid splashed in the eyes may cause irritation.

Ingestion: Ingestion may cause nausea.

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

Zinc phosphate: LC50(fish) = 0,14-2,6 mg Zn²⁺/l; EC50(48h, daphnia magna) = 0,04-0,86 mg Zn²⁺/l, EC50 (72h, algae) = 0,136-0,150 mg Zn²⁺/l

Aliphatic polyamine adduct: Toxic to aquatic organisms.

12.2 Persistence and degradability**12.2.1 Biodegradation**

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

There is no ecotoxicological test data available on the product itself. The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****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).

Packaging waste:

Empty cans should be recycled or disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1 UN number 3082

14.2 UN proper shipping name environmentally hazardous substance, liquid, N.O.S. (zinc phosphate)

14.3 Transport hazard class(es) 9

14.4 Packing group III

14.5 Environmental hazards

The product is classified as environmentally hazardous according to ADR regulations and IMDG Code (marine pollutant).

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- 14.6 Special precautions for users**
None known.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
None known.
- 14.8 Further Information**
EmS: F-A,S-F

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
None known.
- 15.2 Chemical safety assessment**
Has not been performed.

16. OTHER INFORMATION

- 16.1 Additions, Deletions, Revisions**
See section 2., 3. and 8.1.
- 16.5 Full text of R-phrases and/or Hazard statements (H-statements) referred to under sections 2 and 3**
- | | |
|--------|--|
| R10 | Flammable. |
| R21/22 | Harmful in contact with skin and if swallowed. |
| R22 | Harmful if swallowed. |
| R23 | Toxic by inhalation. |
| R34 | Causes burns. |
| R43 | May cause sensitization by skin contact. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67 | Vapours may cause drowsiness and dizziness. |
- 16.8 Additional information**
This Safety Data Sheet is prepared in accordance with Annex II (EU) No 453/2010 to Regulation (EC) No 1907/2006 (REACH).
The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
Additional information available from:
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Signature

gf/near