

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SDS Ref. (EU): Z182

Date of issue: 21/12/2015 Revision date: 25/09/2018 Supersedes: 06/12/2017 Version: 4.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Trade name : ZINC 182 ANTI RUST COATING

Product code : Z182/2.5, Z182/M Product group : 1K Primer

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

For professional use only

Use of the substance/mixture : Coatings and paints, thinners, paint removers

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

U-POL LIMITED

Denington Road, Wellingborough Northants. NN8 2QH - UK T +44 (0) 1933 230310

technical.department@u-pol.com - www.u-pol.com

1.4. Emergency telephone number

Emergency number : CHEMTREC - +44 (0) 870 8200418 (24 hrs)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	NHS England, Scotland & Wales	-	Call 111 or a Doctor	In Northern Ireland, contact your local GP or pharmacist during normal hours (www.gpoutofhours.hscni.net)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3

Skin corrosion/irritation, Category 2

H315

Serious eye damage/eye irritation, Category 2

Specific target organ toxicity — Single exposure, Category 3,
Respiratory tract irritation

Specific target organ toxicity — Repeated exposure, Category 2 H373 Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes skin irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)







GHS02 (

GHS07

GHS08

GHS09

Signal word (CLP) : Warning
Hazardous ingredients : xylene

EN (English) 1/14

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Hazard statements (CLP) : H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.

H373 - May cause damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P260 - Do not breathe fume, vapours, spray. P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves, face protection, protective clothing. P337+P313 - If eye irritation persists: Get medical advice/attention.

P501 - Dispose of contents and container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

: EUH208 - Contains dipentene. May produce an allergic reaction.

2.3. Other hazards

EUH-statements

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
xylene (Note C)	(CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index-No.) 601-022-00-9 (REACH-no) 01-2119488216-32	10 - 25	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
Hydrocarbons C9 – 10 N-Alkanes, Isoalkanes, Cyclics, Aromatics	(EC-No.) 927-344-2 (REACH-no) 01-2119471843-32	5 - 10	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
xylene (Note C)	(CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index-No.) 601-022-00-9 (REACH-no) 01-2119488216-32	5 - 10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
trizinc bis(orthophosphate)	(CAS-No.) 7779-90-0 (EC-No.) 231-944-3 (EC Index-No.) 030-011-00-6 (REACH-no) 01-2119485044-40	3 - 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
titanium(IV) oxide substance with a Community workplace exposure limit	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (REACH-no) 01-2119489379-17	2.5 - 3	Not classified
ethylbenzene	(CAS-No.) 100-41-4 (EC-No.) 202-849-4 (EC Index-No.) 601-023-00-4 (REACH-no) 01-2119489370-35	1 - 2.5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
dipentene (Note C)	(CAS-No.) 138-86-3 (EC-No.) 205-341-0 (EC Index-No.) 601-029-00-7	0.3 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

21/12/2015 (Version: 1.0) EN (English) 2/14

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin

irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Irritation. Repeated exposure may cause skin dryness or cracking.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with

skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain released product, pump into suitable containers.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this

product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Storage temperature : < 25 °C

Storage area : Keep container in a well-ventilated place.

Special rules on packaging : Keep only in original containers

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethylbenzene (100-41-4)		
EU	Local name	Ethylbenzene
EU	IOELV TWA (mg/m³)	442 mg/m³

21/12/2015 (Version: 1.0) EN (English) 3/14

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

ethylbenzene (100-41-4)		
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m³)	884 mg/m³
EU	IOELV STEL (ppm)	200 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Ireland	Local name	Ethylbenzene
Ireland	OEL (8 hours ref) (mg/m³)	442 mg/m³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Ireland	OEL (15 min ref) (mg/m3)	884 mg/m³
Ireland	OEL (15 min ref) (ppm)	200 ppm
Ireland	Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Ethylbenzene
United Kingdom	WEL TWA (mg/m³)	441 mg/m³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m³)	552 mg/m³
United Kingdom	WEL STEL (ppm)	125 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

xylene (1330-20-7)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m³)	221 mg/m³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m³)	442 mg/m³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Ireland	Local name	Xylene, mixed isomers
Ireland	OEL (8 hours ref) (mg/m³)	221 mg/m³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m3)	442 mg/m³
Ireland	OEL (15 min ref) (ppm)	100 ppm
Ireland	Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Xylene
United Kingdom	WEL TWA (mg/m³)	220 mg/m³
United Kingdom	WEL TWA (ppm)	50 ppm

21/12/2015 (Version: 1.0) 25/09/2018 (Version: 4.2)

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

xylene (1330-20-7)		
United Kingdom	WEL STEL (mg/m³)	441 mg/m³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

xylene (1330-20-7)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m³)	221 mg/m³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m³)	442 mg/m³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Ireland	Local name	Xylene, mixed isomers
Ireland	OEL (8 hours ref) (mg/m³)	221 mg/m³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m3)	442 mg/m³
Ireland	OEL (15 min ref) (ppm)	100 ppm
Ireland	Notes (IE)	Sk, IOELV
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2016
United Kingdom	Local name	Xylene
United Kingdom	WEL TWA (mg/m³)	220 mg/m³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m³)	441 mg/m³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
United Kingdom	Regulatory reference	EH40. HSE

titanium(IV) oxide (13463-67-7)		
EU	Local name	Titanium dioxide
EU	Notes	(Ongoing)
EU	Regulatory reference	SCOEL Recommendations
Ireland	Local name	Titanium dioxide
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³ total inhalable dust 4 mg/m³ respirable dust
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Titanium dioxide
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ 4 mg/m³
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

21/12/2015 (Version: 1.0) 25/09/2018 (Version: 4.2)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Materials for protective clothing:

Impermeable clothing

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Colour : Grey.
Odour : Xylenes.

Odour threshold : No data available pH : No data available Relative evaporation rate (butylacetate=1) : No data available Melting point : Not applicable Freezing point : No data available Boiling point : No data available

Flash point : 24 °C

Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 1.21 - 1.25 g/cm³

Solubility : insoluble in water, soluble in most organic solvents.

Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

VOC content : 483 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

21/12/2015 (Version: 1.0) EN (English) 6/14

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition productsUnder normal conditions of storage and use, hazardous decomposition products should not be produced.

Under normal conditions of storage and use, nazardous decomposition products should not be produced.			
SECTION 11: Toxicological information			
11.1. Information on toxicological effe	cts		
Acute toxicity (oral)	: Not classified		
Acute toxicity (dermal)	: Not classified		
Acute toxicity (inhalation)	: Not classified		
Hydrocarbons C9 – 10 N-Alkanes, Isoa	alkanes, Cyclics, Aromatics		
LD50 oral rat	> 5000 mg/kg		
LD50 dermal rabbit	> 5000 mg/kg		
dipentene (138-86-3)			
LD50 oral rat	5300 mg/kg (Rat, Literature study, Oral)		
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Literature study, Dermal)		
ethylbenzene (100-41-4)			
LD50 oral rat	3500 mg/kg (Rat, Male/female, Experimental value, Oral)		
LD50 dermal rabbit	15432 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal)		
LC50 inhalation rat (mg/l)	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))		
(4000 00 7)			
xylene (1330-20-7)			
LD50 oral rat	3523 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral, 14 day(s))		
trizinc bis(orthophosphate) (7779-90-0			
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Experimental value, Oral)		
LC50 inhalation rat (mg/l)	> 5410 mg/m³ air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Readacross, Inhalation (dust))		
xylene (1330-20-7)			
LD50 oral rat	3523 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral, 14 day(s))		
titanium(IV) oxide (13463-67-7)			
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Female, Experimental value, Oral, 14 day(s))		
LC50 inhalation rat (mg/l)	> 6.82 mg/l (Other, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/irritation	: Causes serious eye irritation.		
Respiratory or skin sensitisation	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
ethylbenzene (100-41-4)			
IARC group	2B - Possibly carcinogenic to humans		
xylene (1330-20-7)			
IARC group	3 - Not classifiable		

21/12/2015 (Version: 1.0) EN (English) 7/14

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830		
xylene (1330-20-7)		
IARC group 3 - Not classifiable		
titanium(IV) oxide (13463-67-7)		
IARC group 2B - Possibly carcinogenic to humans		
Reproductive toxicity : Not classified		
STOT-single exposure : May cause respiratory irritation.		
STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.		

SECTION 12:	Ecologica	I information

12.1. Toxicity

Aspiration hazard

: Toxic to aquatic life with long lasting effects. Ecology - general

: Not classified

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Hydrocarbons C9 – 10 N-Alkanes, Isoalkanes, Cyclics, Aromatics		
LC50 fish 1	10 - 100 mg/l	
EC50 72h algae (1)	> 100 mg/l	
NOEC chronic fish	> 0.1 mg/l	

dipentene (138-86-3)	
LC50 fish 1	0.545 mg/l (ECOSAR, 96 h, QSAR)
EC50 96h algae (1)	0.719 mg/l (ECOSAR, Algae, QSAR)

ethylbenzene (100-41-4)	
LC50 fish 1	4.2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Salmo gairdneri, Semi-static system, Fresh water, Experimental value)
EC50 Daphnia 1	1.8 - 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h algae (1)	5.4 mg/l (US EPA, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)

xylene (1330-20-7)	
	2.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static renewal, Fresh water, Read-across, Lethal)
	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

trizinc bis(orthophosphate) (7779-90-0)	
	0.169 mg/l (ASTM E729-88, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across, Nominal concentration)

xylene (1330-20-7)	
LC50 fish 1	2.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static renewal, Fresh water, Read-across, Lethal)
ErC50 (algae)	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

titanium(IV) oxide (13463-67-7)	
	> 100 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)

21/12/2015 (Version: 1.0) 25/09/2018 (Version: 4.2) EN (English) 8/14

ErC50 (algae)	ae) 61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system water, Experimental value, Nominal concentration)	
12.2. Persistence and degradability		
dipentene (138-86-3)		
Persistence and degradability	Biodegradable in the soil. Biodegradable in water. Not easily biodegradable in water in anaerobic conditions.	
ThOD	3.29 g O ₂ /g substance	
ethylbenzene (100-41-4)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	1.44 g O ₂ /g substance (20d.)	
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance	
ThOD	3.17 g O ₂ /g substance	
xylene (1330-20-7)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
. c.c.c.onoo and dogradability	2.000 graduo in the contributing blood graduo in Mater.	
trizinc bis(orthophosphate) (7779-90-0		
Persistence and degradability	Biodegradability: not applicable.	
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
xylene (1330-20-7)		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
titanium(IV) oxide (13463-67-7)		
Persistence and degradability	Biodegradability: not applicable.	
Biochemical oxygen demand (BOD)	Not applicable (inorganic)	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
12.3. Bioaccumulative potential	11 100 1 (1 00 0)	
dipentene (138-86-3)		
BCF other aquatic organisms 1	917 - 931 (BCFBAF v3.00, QSAR)	
Log Pow	4.57 (Experimental value)	
Bioaccumulative potential	Bioaccumable.	
ethylbenzene (100-41-4)		
BCF fish 1	1 - 2.4 (Other, 6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)	
Log Pow	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
xylene (1330-20-7)		
PCE fich 1	7.2 25.0 (56 day/a) Openhyrobya myking Flow through system Fresh water Boad	

21/12/2015 (Version: 1.0) 25/09/2018 (Version: 4.2)

Bioaccumulative potential

BCF fish 1

Log Pow

Low potential for bioaccumulation (BCF < 500).

3.2 (Read-across, 20 °C)

across)

7.2 - 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

BCF other aquatic organisms 1			
Fresh weight	trizinc bis(orthophosphate) (7779-90-0)		
xylene (1330-20-7) xylene (1330-20-7) xylene (1330-20-7) Bioaccumulative potential xross) Bioaccumulative potential xross) Xo y Coeximulative potential Xo bioaccumulative. 12.4. Mobility in soil dipontene (138-63-3) Surface tension Log Koc 3.049 - 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR) Ecology - soil Coy potential for mobility in soil. 40 y Fore tension D.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) D.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, GSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 2.8.01 - 29.76 m/km (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to DECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/km (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to DECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/km (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to DECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/km (25 °C) Log Koc 27.75 (log Koc, Equivalent or similar to DECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/km (25 °C) Log Koc 17.75 yes and yes a season or the soil organisms of the formation. 17.75 yes and yes a season organism or	BCF other aquatic organisms 1		
BCF fish 1 7.2 - 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across, 20 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). titanium(IV) oxide (13463-67-7) Bioaccumulative potential Not bioaccumulative. 12.4. Mobility in soil dipentine (138-96-3) Surface tension 0.026 N/m (20 °C) Log Noc 3.049 - 3.801 (log Noc, SRC PCKOCWIN v2.0, QSAR) Ecology - soil Low potential for mobility in soil. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Noc 2.71 (log Noc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/l/m (25 °C) Loy Noc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, biooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/l/m (25 °C) Log Noc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/l/m (25 °C) Log Noc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/l/m (25 °C) Low potential for adsorption in soil. May be harmful to plant growth, biooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, biooming and fruit formation. This substance/mixture does not meet the PFT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PFT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PFT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PFT criteria of REACH regulation, annex XII	Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).	
BCF fish 1 7.2 - 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across, 20 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). titanium(IV) oxide (13463-67-7) Bioaccumulative potential Not bioaccumulative. 12.4. Mobility in soil dipentine (138-96-3) Surface tension 0.026 N/m (20 °C) Log Noc 3.049 - 3.801 (log Noc, SRC PCKOCWIN v2.0, QSAR) Ecology - soil Low potential for mobility in soil. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Noc 2.71 (log Noc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/l/m (25 °C) Loy Noc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, biooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/l/m (25 °C) Log Noc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/l/m (25 °C) Log Noc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 m/l/m (25 °C) Low potential for adsorption in soil. May be harmful to plant growth, biooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, biooming and fruit formation. This substance/mixture does not meet the PFT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PFT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PFT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PFT criteria of REACH regulation, annex XII			
Log Pow 3.2 (Read-across) 20 °C) Bloaccumulative potential	xylene (1330-20-7)		
Bioaccumulative potential Low potential for bioaccumulation (BCF < 500). titanium(IV) oxide (13463-67-7) Bioaccumulative potential Not bioaccumulative. 12.4. Mobility in soil dipentene (138-86-3) Surface tension Log Koc 3.049 - 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR) Ecology - soil Low potential for mobility in soil. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 2.8.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. xylene (1330-20-7) Surface tension 2.8.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 2.8.01 - 29.76 mN/m (25 °C) 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 2.8.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. xylene (130-20-7) Ecology - soil Low potential for mobility in soil. 1.2.5. Results of PBT and vPvB assessment Component This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH r	BCF fish 1		
Bioaccumulative potential 12.4. Mobility in soil dipentene (138-96-3) Surface tension 0.026 N/m (20 °C) Log Koc Ecology - soil Chylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for mobility in soil. 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. xylene (1330-20-7) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. xylene (1330-20-7) Log Koc Equivalent or similar to OECD 121, Read-across) Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. xylene (1330-20-7) Low potential for mobility in soil. 12.5. Results of PBT and yPvB assessment Component athylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH regulation, annex XIII This substance/mixture does not me	Log Pow	3.2 (Read-across, 20 °C)	
Bioaccumulative potential 12.4. Mobility in soil dipentene (138-86-3) Surface tension 0.026 N/m (20 °C) Log Koc 3.049 - 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR) Ecology - soil Low potential for mobility in soil. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 gl, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex	Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
Bioaccumulative potential 12.4. Mobility in soil dipentene (138-86-3) Surface tension 0.026 N/m (20 °C) Log Koc 3.049 - 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR) Ecology - soil Low potential for mobility in soil. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 gl, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex	titanium(IV) oxide (13463-67-7)		
12.4. Mobility in soil dipentene (138-86-3) Surface tension 0.0.26 N/m (20 °C) Log Koc 3.048 - 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR) Ecology - soil Low potential for mobility in soil. ethylbenzene (100-41-4) Surface tension 0.0.71 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit inmation. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 1.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPVB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		Not bioaccumulative.	
Surface tension 0.026 N/m (20 °C) Log Koc 3.049 - 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR) Ecology - soil Low potential for mobility in soil. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	·		
Log Koc 3.049 - 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR) Ecology - soil Low potential for mobility in soil. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0)	dipentene (138-86-3)		
Ecology - soil Low potential for mobility in soil. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII	Surface tension	0.026 N/m (20 °C)	
surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	Log Koc	3.049 - 3.801 (log Koc, SRC PCKOCWIN v2.0, QSAR)	
Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0)	Ecology - soil	Low potential for mobility in soil.	
Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PPT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0)	ethylbenzene (100-41-4)		
Log Koc 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0)	, ,	0.071 N/m (23 °C. 0.0582 g/l. EU Method A.5: Surface tension)	
Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH regulation, annex XIII This substance/mixture does not meet the VPB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0)	Log Koc		
xylene (1330-20-7) Surface tension	-		
Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII		-	
Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	xylene (1330-20-7)		
Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0)	Surface tension	28.01 - 29.76 mN/m (25 °C)	
trizinc bis(orthophosphate) (7779-90-0) Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0)	Log Koc	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)	
Ecology - soil Adsorbs into the soil. xylene (1330-20-7) Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	Ecology - soil		
xylene (1330-20-7) Surface tension	trizinc bis(orthophosphate) (7779-90-0)		
Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII		Adsorbs into the soil.	
Surface tension 28.01 - 29.76 mN/m (25 °C) Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII			
Log Koc 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PPBT criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	xylene (1330-20-7)		
Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	Surface tension	28.01 - 29.76 mN/m (25 °C)	
titanium(IV) oxide (13463-67-7) Ecology - soil Low potential for mobility in soil. 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	Log Koc	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)	
Ecology - soil 12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	Ecology - soil		
12.5. Results of PBT and vPvB assessment Component ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	titanium(IV) oxide (13463-67-7)		
ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	Ecology - soil	Low potential for mobility in soil.	
ethylbenzene (100-41-4) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	12.5. Results of PBT and vPvB assessment		
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII xylene (1330-20-7) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	Component		
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII trizinc bis(orthophosphate) (7779-90-0) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	ethylbenzene (100-41-4)		
	xylene (1330-20-7)		
	trizinc bis(orthophosphate) (7779-90-0)		

21/12/2015 (Version: 1.0) 25/09/2018 (Version: 4.2) EN (English) 10/14

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

xylene (1330-20-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
dipentene (138-86-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
titanium(IV) oxide (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

: Disposal must be done according to official regulations. Regional legislation (waste)

: Dispose of contents/container in accordance with licensed collector's sorting instructions. Waste treatment methods

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1263	1263	1263	1263	1263
14.2. UN proper shippin	g name			
PAINT / PAINT RELATED MATERIAL	PAINT	Paint	PAINT	PAINT
Transport document descr	iption			
UN 1263 PAINT / PAINT RELATED MATERIAL, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, III, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 1263 Paint, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard	class(es)			
3	3	3	3	3
*				***
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

No supplementary information available

14.6. Special precautions for user

Overland transport

: F1 Classification code (ADR)

Special provisions (ADR) : 163, 367, 650

Limited quantities (ADR) : 51 Excepted quantities (ADR) : F1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1 Mixed packing provisions (ADR) : MP19 Portable tank and bulk container instructions : T2

(ADR)

Portable tank and bulk container special provisions : TP1, TP29

(ADR)

21/12/2015 (Version: 1.0) EN (English) 11/14

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

: LGBF Tank code (ADR) : FI Vehicle for tank carriage Transport category (ADR) : 3 Special provisions for carriage - Packages (ADR) : V12 Special provisions for carriage - Operation (ADR) : S2 Hazard identification number (Kemler No.) : 30

Orange plates

30 1263

Tunnel restriction code (ADR) : D/E : •3YE EAC code

Transport by sea

Special provisions (IMDG) : 163, 223, 367, 955

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P001. LP01 : PP1 Special packing provisions (IMDG) IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T2 : TP1, TP29 Tank special provisions (IMDG)

EmS-No. (Fire) : F-E : S-E EmS-No. (Spillage) Stowage category (IMDG) : A

Properties and observations (IMDG) : Miscibility with water depends upon the composition.

Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) : 355 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 366 : 220L CAO max net quantity (IATA)

Special provisions (IATA) : A3, A72, A192

ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1

Special provisions (ADN) : 163, 367, 650

Limited quantities (ADN) : 5 L Excepted quantities (ADN) : E1 Equipment required (ADN) : PP, EX, A Ventilation (ADN) : VE01 Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : F1

Special provisions (RID) : 163, 367, 650

Limited quantities (RID) : 5L Excepted quantities (RID)

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1 Mixed packing provisions (RID) : MP19 Portable tank and bulk container instructions (RID) : T2 Portable tank and bulk container special provisions : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBF Transport category (RID) : 3 Special provisions for carriage - Packages (RID) : W12

21/12/2015 (Version: 1.0) EN (English) 12/14

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Colis express (express parcels) (RID) : CE²
Hazard identification number (RID) : 30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

VOC content : 483 g/l

Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
2.2	Precautionary statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
9.2	VOC content	Modified	
15.1	VOC content	Modified	

Full text of H- and EUH-statement	nts:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4		
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1		
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3		
Asp. Tox. 1	Aspiration hazard, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 2	Flammable liquids, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
Skin Sens. 1	Skin sensitisation, Category 1		
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2		
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis		
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation		
H225	Highly flammable liquid and vapour.		
H226	Flammable liquid and vapour.		
H304	May be fatal if swallowed and enters airways.		
H312	Harmful in contact with skin.		
H315	Causes skin irritation.		

21/12/2015 (Version: 1.0) EN (English) 13/14

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains dipentene. May produce an allergic reaction.

SDS EU (REACH Annex II)

For professional use only.

The information contained within this Safety Data Sheet (SDS) is believed to be correct as of the date issued however it is subject to change from time to time. It does not purport to be all inclusive or exhaustive and shall only be used as a guide. U-POL makes no warranties, expressed or implied, including but not limited to, any implied warranty of fitness for a given purpose or usage. It is the Buyers responsibility to ensure the suitability of the products for their own use and to check the information is up to date. U-POL cannot be held responsible for the suitability of use for any of its products, considering the wide range of factors such as application, substrates and handling methods. Since these conditions of use are outside of our control, the company shall not be held liable for any damage resulting from handling or from contact with the product detailed. Moreover, addition of reducers, hardeners or other additives over and above U-POL's recommendations for use, may substantially alter the composition and hazards of the product. U-POL data sheets are available via the U-POL website at WWW.U-POL.COM.