SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Number: 1

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

1.1. Product identifier

Product Name: **Kluthe Metallgrund grau**
Article number: 011330337001

Hazard components for labeling: Contains xylene (reaction product of xylene and ethylbenzene), Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates

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

Product categories [PC]: PC9 - Coatings and paints, fillers, putties, thinners
Sector of uses [SU]: SU19 - Building and construction work

1.3. Details of the supplier of the safety data sheet

Supplier: conti coatings GmbH & Co. KG
Feldstrasse 55
D - 46149 Oberhausen
Telefon: +49 208/ 9948-0
Telefax: +49 208/ 650625
www.conticoatings.com

E-mail address sds.ob@conticoatings.com

1.4. Emergency telephone number

Emergency Telephone: +49 177 / 214 4737 (24 h)

Emergency Telephone - §45 - (EC)1272/2008	
Europe	**112**
Austria	+43 1 406 43 43 (Giftinformationszentrale)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flammable liquids	Category 3 - (H226)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H335,H336)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Signal word: **Warning**

Hazard components for labeling:
Contains xylene (reaction product of xylene and ethylbenzene), Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates

Hazard statements:
H226 - Flammable liquid and vapor.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.
EUH208 - Contains Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) May produce an allergic reaction.

Precautionary Statements - EU (§28, 1272/2008):
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P312 - Call a POISON CENTER or doctor if you feel unwell
P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish
P403 + P235 - Store in a well-ventilated place. Keep cool

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	CAS No	EC No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
hydrocarbons, C9, aromats	-	918-668-5	01-2119455851-35	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H335) STOT SE 3 (H336) Aquatic Chronic 2 (H411) (EUH066)	10 - < 25
xylene (reaction product of xylene and ethylbenzene)	-	905-588-0	01-2119539452-40	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Acute Tox. 4 (H312) Acute Tox. 4 (H332) STOT SE 3 (H335) STOT RE 2 (H373)	10 - < 25

Titanium dioxide	13463-67-7	236-675-5	01-2119489379-17		5 - < 10
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	-	919-857-5	01-2119463258-33	Flam. Liq. 3 (H226) STOT SE 3 (H336) Asp. Tox. 1 (H304) (EUH066)	5 - < 10
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics	-	918-481-9	01-2119457273-39	Asp. Tox. 1 (H304) (EUH066)	1 - < 3
Carbon black	1333-86-4	215-609-9 435-640-3	01-2119441305-48	[I]	0.25 - < 0.5
Hexanoic acid, 2-ethyl-, barium salt (2:1)	2457-01-4	219-535-8	01-2119983179-22	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Acute Tox. 4 (H332) Repr. 2 (H361d)	0.1 - < 0.25
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	136-52-7	205-250-6	01-2119524678-29	Skin Sens. 1A (H317) Eye Irrit. 2 (H319) Repr. 1B (H360) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	0.05 - < 0.1
Dipropylene glycol monomethyl ether	34590-94-8	252-104-2	01-2119450011-60	[B]	0.01 - < 0.05

[B] - Substance with a Community workplace exposure limit

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4				A,1

Acute Toxicity Estimate:

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
hydrocarbons, C9, aromats -	3592	3200	No data available	No data available	No data available
xylene (reaction product of xylene and ethylbenzene) -	3523	12126	1.5	27.1	No data available
Titanium dioxide 13463-67-7	10010	No data available	7	No data available	No data available
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	5005	5005	No data available	5005	No data available
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	No data available	5005	8.5	No data available	No data available
Carbon black	15415.4	3003	No data available	No data available	No data available

1333-86-4					
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	500	2002	11	11	No data available
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	5005	5005	11	No data available	No data available
Dipropylene glycol monomethyl ether 34590-94-8	5350	9500	21	No data available	No data available

hazardous components above-mentioned substances/ substance mixtures:

Chemical name	*CAS No*	*EC No*	*REACH registration number*	*Classification according to Regulation (EC) No. 1272/2008 [CLP]*	*Weight-%*
Xylenes (o-, m-, p- isomers) 1330-20-7	1330-20-7	215-535-7	01-2119488216-32	Flam. Liq. 3 (H226) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Acute Tox. 4 (H332)	5 - < 10
Ethylbenzene 100-41-4	100-41-4	202-849-4	01-2119489370-35	Flam. Liq. 2 (H225) Asp. Tox. 1 (H304) Acute Tox. 4 (H332) STOT RE 2 (H373)	1 - < 3

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice: Show this safety data sheet to the doctor in attendance.

Inhalation: Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion: Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider: Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.

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

Symptoms: May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

Note to physicians: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO_2). Water spray. Alcohol resistant foam.

Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media: Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information: Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions: Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment: Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up:	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
Prevention of secondary hazards:	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections:	See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:	Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations:	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

7.3. Specific end use(s)

Other information:	No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits:

Chemical name	European Union	Germany	Netherlands	Spain	United Kingdom	Hungary
hydrocarbons, C9, aromats -		RCP: C9-14 aromates: STEL: 50 mg/m³ - 2(II)				
Titanium dioxide 13463-67-7				TWA: 10 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³	
Carbon black 1333-86-4				TWA: 3.5 mg/m³	TWA: 3.5 mg/m³ STEL: 7 mg/m³	
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7					TWA: 0.1 mg/m³	
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 308 mg/m³ *	TWA: 50 ppm TWA: 310 mg/m³	TWA: 300 mg/m³	TWA: 50 ppm TWA: 308 mg/m³ vía dérmica*	TWA: 50 ppm TWA: 308 mg/m³ STEL: 150 ppm STEL: 924 mg/m³ Sk*	TWA: 308 mg/m³

Chemical name	*European Union*	*Germany*	*Netherlands*	*Spain*	*United Kingdom*	*Hungary*
Xylenes (o-, m-, p-isomers) 1330-20-7	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ *	TWA: 100 ppm TWA: 440 mg/m³ H*	TWA: 210 mg/m³ STEL: 442 mg/m³ H*	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ vía dérmica*	TWA: 50 ppm TWA: 220 mg/m³ STEL: 100 ppm STEL: 441 mg/m³ Sk*	TWA: 221 mg/m³ STEL: 442 mg/m³ b*
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ *	TWA: 20 ppm TWA: 88 mg/m³ H*	TWA: 215 mg/m³ STEL: 430 mg/m³ H*	TWA: 100 ppm TWA: 441 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ vía dérmica*	TWA: 100 ppm TWA: 441 mg/m³ STEL: 125 ppm STEL: 552 mg/m³ Sk*	TWA: 442 mg/m³ STEL: 884 mg/m³ b*

Chemical name	France	Italy	Portugal	Finland	Denmark	Czech Republic
Titanium dioxide 13463-67-7	TWA: 10 mg/m³		TWA: 10 mg/m³		TWA: 6 mg/m³	
Carbon black 1333-86-4	TWA: 3.5 mg/m³		TWA: 3.5 mg/m³	TWA: 3.5 mg/m³ STEL: 7 mg/m³	TWA: 3.5 mg/m³	TWA: 2.0 mg/m³
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7						TWA: 0.05 mg/m³ Ceiling: 0.1 mg/m³
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 308 mg/m³ *	TWA: 50 ppm TWA: 308 mg/m³ pelle*	TWA: 50 ppm TWA: 308 mg/m³ STEL: 150 ppm P*	TWA: 50 ppm TWA: 310 mg/m³ iho*	TWA: 50 ppm TWA: 309 mg/m³ H*	TWA: 270 mg/m³ Ceiling: 550 mg/m³ D*

Chemical name	*France*	*Italy*	*Portugal*	*Finland*	*Denmark*	*Czech Republic*
Xylenes (o-, m-, p-isomers) 1330-20-7	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ *	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ pelle*	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ P*	TWA: 50 ppm TWA: 220 mg/m³ STEL: 100 ppm STEL: 440 mg/m³ iho*	TWA: 25 ppm TWA: 109 mg/m³ H*	
Ethylbenzene 100-41-4	TWA: 20 ppm TWA: 88.4 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ *	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ pelle*	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ P*	TWA: 50 ppm TWA: 220 mg/m³ STEL: 200 ppm STEL: 880 mg/m³ iho*	TWA: 50 ppm TWA: 217 mg/m³ H*	

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
Titanium dioxide 13463-67-7	TWA: 5 mg/m³ STEL 10 mg/m³	TWA: 3 mg/m³	STEL: 30 mg/m³ TWA: 10 mg/m³	TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³	TWA: 10 mg/m³

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
					STEL: 30 mg/m³ STEL: 12 mg/m³	
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -		TWA: 50 ppm TWA: 300 mg/m³ STEL: 100 ppm STEL: 600 mg/m³	STEL: 900 mg/m³ TWA: 300 mg/m³			
Carbon black 1333-86-4			TWA: 4 mg/m³	TWA: 3.5 mg/m³ STEL: 7 mg/m³	TWA: 3 mg/m³ STEL: 15 mg/m³	
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4				TWA: 0.5 mg/m³ STEL: 1.5 mg/m³		
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	H*	TWA: 0.05 mg/m³ H*		TWA: 0.02 mg/m³ STEL: 0.06 mg/m³	TWA: 0.02 mg/m³ STEL: 0.3 mg/m³	
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 307 mg/m³ STEL 100 ppm STEL 614 mg/m³ H*	TWA: 50 ppm TWA: 300 mg/m³ STEL: 50 ppm STEL: 300 mg/m³	STEL: 480 mg/m³ TWA: 240 mg/m³	TWA: 50 ppm TWA: 300 mg/m³ STEL: 75 ppm STEL: 375 mg/m³ H*	TWA: 50 ppm TWA: 308 mg/m³ STEL: 150 ppm STEL: 924 mg/m³ Sk*	

Chemical name	*Austria*	*Switzerland*	*Poland*	*Norway*	*Ireland*	*Russia*
Xylenes (o-, m-, p-isomers) 1330-20-7	TWA: 50 ppm TWA: 221 mg/m³ STEL 100 ppm STEL 442 mg/m³	TWA: 100 ppm TWA: 435 mg/m³ STEL: 200 ppm STEL: 870 mg/m³ H*	STEL: 200 mg/m³ TWA: 100 mg/m³	TWA: 25 ppm TWA: 108 mg/m³ STEL: 37.5 ppm STEL: 135 mg/m³ H*	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ Sk*	TWA: 50 mg/m³ STEL: 150 mg/m³
Ethylbenzene 100-41-4	TWA: 100 ppm TWA: 440 mg/m³ STEL 200 ppm STEL 880 mg/m³ H*	TWA: 50 ppm TWA: 220 mg/m³ STEL: 50 ppm STEL: 220 mg/m³ H*	STEL: 400 mg/m³ TWA: 200 mg/m³	TWA: 5 ppm TWA: 20 mg/m³ STEL: 10 ppm STEL: 30 mg/m³ H*	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ Sk*	TWA: 50 mg/m³ STEL: 150 mg/m³

Biological occupational exposure limits:

Chemical name	*European Union*	*Germany*	*Netherlands*	*Spain*	*United Kingdom*	*Hungary*
Xylenes (o-, m-, p-isomers) 1330-20-7		2000 mg/L - urine (Methylhippuric(tolur-)acid (all isomers)) - end of shift		1 g/g Creatinine - urine (Methylhippuric acids) - end of shift	650 mmol/mol creatinine - urine (Methyl hippuric acid) - post shift	
Ethylbenzene 100-41-4		250 mg/g Creatinine - urine (Mandelic acid plus Phenylglyoxylic acid) - end of shift		700 mg/g Creatinine - urine (Mandelic acid plus Phenylglyoxylic acid) - end of workweek		

Chemical name	*France*	*Italy*	*Portugal*	*Finland*	*Denmark*	*Czech Republic*
Xylenes (o-, m-, p-isomers) 1330-20-7	1500 mg/g creatinine - urine (Methylhippuric acid) - end of shift			5.0 mmol/L - urine (Methylhippuric acid) - after the shift		
Ethylbenzene 100-41-4	1500 mg/g creatinine - urine (Mandelic acid) - end of shift at end of workweek			5.2 mmol/L - urine (Mandelic acid) - after the shift after a working week or exposure period		

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	10 µg/L - urine (spontaneous urine) - after end of work day, at the end of a work week/end of the shift - () -		-	-	-	

Chemical name	*Austria*	*Switzerland*	*Poland*	*Norway*	*Ireland*	*Russia*
Xylenes (o-, m-, p- isomers) 1330-20-7	1.5 g/L - urine (Methylhippuric acid) - after end of work day, at the end of a work week/end of the shift	2 g/L - urine (Methylhippuric acid) - end of shift			1.5 g/g Creatinine - urine (Methylhippuric acids) - end of shift	
Ethylbenzene 100-41-4		600 mg/g creatinine - urine (Mandelic acid and Phenylglyoxylacid) - end of shift			0.7 g/g Creatinine - urine (sum of Mandelic acid and Phenylglyoxylic acid) - end of shift at end of workweek 0.7 g - end-exhaled air () - not critical	

Derived No Effect Level (DNEL):

component information:

Worker - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
hydrocarbons, C9, aromats	150 mg/m³			
xylene (reaction product of xylene and ethylbenzene)	221 mg/m³	442 mg/m³	221 mg/m³	442 mg/m³
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	871 mg/m³			
Hexanoic acid, 2-ethyl-, barium salt (2:1)	8.8 mg/m³			
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	0.2351 mg/m³		0.2351 mg/m³	
Dipropylene glycol monomethyl ether	308 mg/m³			

Chemical name	*short term, local*	*short term, systemic*	*long term, local*	*long term, systemic*
Xylenes (o-, m-, p- isomers)	442 mg/m³	442 mg/m³	221 mg/m³	221 mg/m³
Ethylbenzene	293 mg/m³			77 mg/m³

Worker - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
hydrocarbons, C9, aromats	25 mg/kg bw/day			
xylene (reaction product of xylene and ethylbenzene)	212 mg/kg bw/day			
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	208 mg/kg bw/day			
Hexanoic acid, 2-ethyl-, barium salt (2:1)	7.25 mg/kg bw/day			
Dipropylene glycol monomethyl ether	283 mg/kg bw/day			

Chemical name	*short term, local*	*short term, systemic*	*long term, local*	*long term, systemic*
Ethylbenzene				180 mg/kg bw/day

Consumer - inhalative:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
hydrocarbons, C9, aromats	32 mg/m³			
xylene (reaction product of xylene and ethylbenzene)	65.3 mg/m³	260 mg/m³	65.3 mg/m³	260 mg/m³
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	185 mg/m³			
Hexanoic acid, 2-ethyl-, barium salt (2:1)	2.6 mg/m³			
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)			0.037 mg/m³	
Dipropylene glycol monomethyl ether	37.2 mg/m³			

Chemical name	*short term, local*	*short term, systemic*	*long term, local*	*long term, systemic*
Xylenes (o-, m-, p- isomers)	260 mg/m³	260 mg/m³	65.3 mg/m³	65.3 mg/m³
Ethylbenzene				15 mg/m³

Consumer - dermal:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
hydrocarbons, C9, aromats	11 mg/kg bw/day			
xylene (reaction product of xylene and ethylbenzene)	125 mg/kg bw/day			
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	125 mg/kg bw/day			
Hexanoic acid, 2-ethyl-, barium salt (2:1)	3.62 mg/kg bw/day			
Dipropylene glycol monomethyl ether	121 mg/kg bw/day			

Chemical name	*short term, local*	*short term, systemic*	*long term, local*	*long term, systemic*
Xylenes (o-, m-, p- isomers)				125 mg/kg bw/day

consumer - oral:

Chemical name	long term, systemic	short term, systemic	long term, local	short term, local
hydrocarbons, C9, aromats	11 mg/kg bw/day			
xylene (reaction product of xylene and ethylbenzene)	12.5 mg/kg bw/day			
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	125 mg/kg bw/day			
Hexanoic acid, 2-ethyl-, barium salt (2:1)	2.5 mg/kg bw/day			
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)	0.0558 mg/kg bw/day			
Dipropylene glycol monomethyl ether	36 mg/kg bw/day			

Chemical name	*short term, local*	*short term, systemic*	*long term, local*	*long term, systemic*
Xylenes (o-, m-, p- isomers)				12.5 mg/kg bw/day
Ethylbenzene				1.6 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

component information:

Chemical name	xylene (reaction product of xylene and ethylbenzene)
Freshwater	0.327 mg/L
Marine water	0.327 mg/L
Intermittent release	0.327 mg/L
Impact on Sewage Treatment	6.58 mg/L
Freshwater sediment	12.46 mg/kg
Marine sediment	12.46 mg/kg
Soil	2.31 mg/kg

Chemical name	Hexanoic acid, 2-ethyl-, barium salt (2:1)
Freshwater	360 µg/L
Marine water	36 µg/L
Intermittent release	493 µg/L
Freshwater sediment	792 mg/kg dry weight
Marine sediment	637 mg/kg dry weight
Soil	207 mg/kg dry weight

Chemical name	Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1)
Freshwater	0.00051 mg/L
Marine water	0.00236 mg/L
Freshwater sediment	9.5 mg/kg
Marine sediment	9.5 mg/kg
Soil	7.9 mg/kg

Chemical name	Dipropylene glycol monomethyl ether
Freshwater	19 mg/L
Marine water	1.9 mg/L
Intermittent release	190 mg/L

Impact on Sewage Treatment	4168 mg/L
Freshwater sediment	70.2 mg/kg
Marine sediment	7.02 mg/kg
Soil	2.74 mg/kg

Chemical name	*Xylenes (o-, m-, p- isomers)*
Marine water	0.327 mg/L
Intermittent release	0.327 mg/L
Impact on Sewage Treatment	6.58 mg/L
Freshwater sediment	12.46 mg/kg
Marine sediment	12.46 mg/kg
Soil	2.31 mg/kg

Chemical name	*Ethylbenzene*
Freshwater	0.1 mg/L
Marine water	0.01 - 0.1 mg/L
Intermittent release	0.1 mg/L
Impact on Sewage Treatment	9.6 mg/L
Freshwater sediment	13.7 mg/kg
Marine sediment	1.37 mg/kg
Soil	2.68 mg/kg dry weight
Food chain	20 mg/kg dry weight

8.2. Exposure controls

Engineering controls: None under normal use conditions.

Personal protective equipment:

Eye/face protection: Tight sealing safety goggles.

Hand protection: Wear suitable gloves. Impervious gloves.

PPE - Glove material	Glove thickness	Break through time
NBR (Nitrile rubber)	0.4 mm	>=480 min.

Skin and body protection: Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Recommended Filter Type: Filtering device (full mask or mouthpiec AP-2

Environmental exposure controls: No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid					
Color	gray					
Odor	Solvent					
				Conditions	*Method*	*Remarks*
Melting point / melting range						Not established
Boiling point / boiling range	>	100	°C			
Flammability						Not established
Decomposition temperature						not relevant
Flash point	>	23	°C			
Autoignition temperature						None known
Lower explosive limit						not relevant
Upper explosion limit						not relevant
Vapor pressure	>	1100	hPa	50 °C		
Density	~	1.460	g/cm³	20 °C		
Water solubility						Immiscible
pH						Not applicable
pH (as aqueous solution)						Not applicable
Partition coefficient						Not established
Kinematic viscosity						Not applicable
Odor threshold						Not established
Relative density						Not established
Evaporation rate						Not established

Relative vapor density no data available
Particle Size no data available
Particle Size Distribution no data available

9.2. Other information

Bulk density: no data available
Softening point No information available
Molecular weight No information available

9.2.1. Information with regard to physical hazard classes:

Explosive properties Not an explosive
Oxidizing properties Not oxidising.

9.2.2. Other safety characteristics: No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: No information available.

10.2. Chemical stability

Stability: Stable under normal conditions.

Explosion data:
Sensitivity to mechanical impact: None.
Sensitivity to static discharge: Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

10.4. Conditions to avoid

Conditions to avoid: Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials: Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products: None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Product Information:

Inhalation: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.

Eye contact: Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact: Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity:

Acute toxicity: The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal):	9,156.60 mg/kg
ATEmix (inhalation-dust/mist):	12.30 mg/l
ATEmix (inhalation-vapor):	91.60 mg/l

Component Information:

Chemical name	Parameter	Species	effektive Dosis	Method
hydrocarbons, C9, aromats -	Oral LD50	Rat	3592 mg/kg	OECD 401
xylene (reaction product of xylene and ethylbenzene) -	Oral LD50	Rat	3523 mg/kg	EG92/69/EWG B.1
Titanium dioxide 13463-67-7	Oral LD50	Rat	> 10000 mg/kg	
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	Oral LD50	Rat	> 5000 mg/kg	
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	Oral LD50	Rat	> 5000 mg/kg	
Carbon black 1333-86-4	Oral LD50	Rat	> 15400 mg/kg	
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	Oral LD50	Rat	500 mg/kg	
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	Oral LD50	Rat	> 5000 mg/kg	
Dipropylene glycol monomethyl ether 34590-94-8	Oral LD50	Rat	5.35 g/kg	

Chemical name	*Parameter*	*Species*	*effektive Dosis*	*Method*
Xylenes (o-, m-, p- isomers) 1330-20-7	Oral LD50	Rat	3500 mg/kg	
Ethylbenzene 100-41-4	Oral LD50	Rat	3500 mg/kg	

Chemical name	Parameters	Species	Effective dose	Method
hydrocarbons, C9, aromats -	Dermal LD50	Rabbit	> 3160 mg/kg	OECD 402
xylene (reaction product of xylene and ethylbenzene) -	Dermal LD50	Rabbit	12126 mg/kg	
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates	Dermal LD50	Rabbit	> 5000 mg/kg	

Chemical name	Parameters	Species	Effective dose	Method
-				
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	Dermal LD50	Rabbit	> 5000 mg/kg	
Carbon black 1333-86-4	Dermal LD50	Rabbit	> 3 g/kg	
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	Dermal LD50	Rabbit	> 2000 mg/kg	
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	Dermal LD50	Rabbit	> 5000 mg/kg	
Dipropylene glycol monomethyl ether 34590-94-8	Dermal LD50	Rabbit	9500 mg/kg	

Chemical name	*Parameters*	*Species*	*Effective dose*	*Method*
Xylenes (o-, m-, p- isomers) 1330-20-7	Dermal LD50	Rabbit	> 4350 mg/kg	
Ethylbenzene 100-41-4	Dermal LD50	Rabbit	15400 mg/kg	

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
xylene (reaction product of xylene and ethylbenzene) -	Inhalation LC50	Rat	27124 mg/m³	4 h	
Titanium dioxide 13463-67-7	Inhalation LD50	Rat	> 6.82 mg/L	4 h	
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	Inhalation LC50	Rat	> 5000 mg/L	4 h	
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	Inhalation LC50	Rat	11 mg/L	4 h	
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	Inhalation LC50	Rat	> 10 mg/L	1 h	
Dipropylene glycol monomethyl ether 34590-94-8	Inhalation LC50	Rat	21 mg/L		

Chemical name	*Parameters*	*Species*	*Effective dose*	*Exposure time*	*Method*
Xylenes (o-, m-, p- isomers) 1330-20-7	Inhalation LC50	Rat	29.08 mg/L	4 h	
Ethylbenzene 100-41-4	Inhalation LC50	Rat	17.4 mg/L	4 h	

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Skin corrosion/irritation: Irritating to skin.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitization: No information available.

Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity:	No information available.
STOT - single exposure:	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT - repeated exposure:	May cause damage to organs through prolonged or repeated exposure.

Chemical name	Exposure route	Target Organs
xylene (reaction product of xylene and ethylbenzene) -	Inhalation	auditory organs

Aspiration hazard: No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity: Harmful to aquatic life with long lasting effects.

fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C9, aromats -	LC50	Oncorhynchus mykiss	9.22 mg/L	96 h	
xylene (reaction product of xylene and ethylbenzene) -	LC50	Oncorhynchus mykiss	2.6 mg/L	96 h	OECD 203
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	LL50	Oncorhynchus mykiss	> 1000 mg/L	96 h	OECD 203
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	LL0	Oncorhynchus mykiss	1000 mg/L	96 h	
Carbon black 1333-86-4	CL50	Brachydanio rerio	> 1000 mg/L	96 h	OECD 203
Dipropylene glycol	LC50	Pimephales promelas	> 10000 mg/L	96 h	

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
monomethyl ether 34590-94-8					

Chemical name	*Parameter*	*Species*	*Effective dose*	*Exposure time*	*Method*
Xylenes (o-, m-, p- isomers) 1330-20-7	LC50	Pimephales promelas	13.4 mg/L	96 h	
Ethylbenzene 100-41-4	LC50	Oncorhynchus mykiss	4.2 mg/L	96 h	

toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C9, aromats -	EC50	Daphnia magna	6.14 mg/L	48 h	
xylene (reaction product of xylene and ethylbenzene) -	LC 50	Daphnia magna	1.0 mg/L	24 h	OECD 202
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	EL50	Daphnia magna	> 1000 mg/L	48 h	OECD 202
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	EL0	Daphnia magna	1000 mg/L	48 h	
Carbon black 1333-86-4	EC50	Daphnia magna	> 5600 mg/L	24 h	OECD 202
Dipropylene glycol monomethyl ether 34590-94-8	LC50	Daphnia magna	1919 mg/L	48 h	

Chemical name	*Parameter*	*Species*	*Effective dose*	*Exposure time*	*Method*
Xylenes (o-, m-, p- isomers) 1330-20-7	EC50	Daphnia magna	3.82 mg/L	48 h	
Ethylbenzene 100-41-4	EC50	Daphnia magna	1.8 - 2.4 mg/L	48 h	

Algae Toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
hydrocarbons, C9, aromats -	EL50	Pseudokirchneriella subcapitata	2.6 - 2.9 mg/L	72 h	
xylene (reaction product of xylene and ethylbenzene) -	EC50	Selenastrum capricornutum	2.2 mg/L	73 h	OECD 201
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	EL50	Pseudokirchneriella subcapitata	> 1000 mg/L	24 h	OECD 201
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics	EL0	Pseudokirchneriella subcapitata	1000 mg/L	72 h	

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
-					

Chemical name	*Parameter*	*Species*	*Effective dose*	*Exposure time*	*Method*
Ethylbenzene 100-41-4	EC50	Pseudokirchneriella subcapitata	4.6 mg/L	72 h	

Bacteria toxicity:

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
xylene (reaction product of xylene and ethylbenzene) -	NOEC	activated sludge	16 mg/L	28 d	OECD 301 F

12.2. Persistence and degradability

Persistence and degradability:

Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
hydrocarbons, C9, aromats -			Yes		
xylene (reaction product of xylene and ethylbenzene) -	90 %	28 d	Yes		
Titanium dioxide 13463-67-7	0 %		No		
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	80 %	28 d	Yes		OECD 301F
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	80 %	28 d	Yes		
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	100 %		Yes		
Dipropylene glycol monomethyl ether 34590-94-8	75 %	28 d	Yes		OECD 301F

Chemical name	*degradation rate*	*test duration*	*Rapidly biodegradable*
Xylenes (o-, m-, p- isomers) 1330-20-7			Yes
Ethylbenzene 100-41-4	70 - 80 %	28 d	Yes

12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
xylene (reaction product of xylene and ethylbenzene) -	3.16	25.9
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	3	
Dipropylene glycol monomethyl ether 34590-94-8	-0.064	
Chemical name	*Partition coefficient*	*Bioconcentration factor (BCF)*
Xylenes (o-, m-, p- isomers) 1330-20-7	2.77 - 3.15	0.6 - 15
Ethylbenzene 100-41-4	3.2	15

12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

Chemical name	PBT and vPvB assessment
hydrocarbons, C9, aromats -	The substance is not PBT / vPvB
Titanium dioxide 13463-67-7	The substance is not PBT / vPvB
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	The substance is not PBT / vPvB
Carbon black 1333-86-4	The substance is not PBT / vPvB
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	The substance is not PBT / vPvB
Dipropylene glycol monomethyl ether 34590-94-8	The substance is not PBT / vPvB

Chemical name	*PBT and vPvB assessment*
Xylenes (o-, m-, p- isomers) 1330-20-7	The substance is not PBT / vPvB
Ethylbenzene 100-41-4	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties.

No information available.

12.7. Other adverse effects.

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products:	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging:	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Waste codes / waste designations according to EWC / AVV: 08 01 11* (Waste paint and varnish containing organic solvents or other dangerous substances)

SECTION 14: Transport information

14.1. UN number

ADR:	UN1263
RID:	UN1263
IMDG:	UN1263
IATA:	UN1263

14.2 UN proper shipping name

ADR:	Paint
UN1263, Hot Paint, 3, III	
RID:	Not regulated
IMDG:	Paint
UN1263, Hot Paint, 3, III, (23°C c.c.)	
IATA:	Paint
UN1263, Hot Paint, 3, III	

14.3. Transport hazard class(es)

ADR:	3
Hazard label(s)	3
Classification code	F1
Hazard identification number (Kemler No.)	30
Tunnel restriction code	(D/E)
Limited quantity (LQ)	5 L
ADR excepted quantity	E1
RID:	3
Labels	3
Classification code	F1
IMDG:	3
Hazard label(s)	3
Limited quantity (LQ)	5 L
IMDG Excepted Quanity	E1
EmS-No	F-E, S-E

IATA:	3
Hazard label(s)	3
IATA Excepted Quantity	E1

14.4. Packing group

ADR:	III
RID:	III
IMDG:	III
IATA:	III

14.5. Environmental hazards

ADR:	Not regulated
RID:	Not regulated
IMDG:	no marine pollutant
IATA:	Not regulated

14.6. Special precautions for user

ADR:	
Special Provisions:	163, 650, 367
Note:	2.2.3.1.5.1: n. a. < 450 L
RID:	
Special Provisions:	163, 650, 367
IMDG:	
Special Provisions:	163, 223, 367, 955
IATA:	
Special Provisions:	A3, A72, A192
ERG Code	3L

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

No information available

SECTION 15: Regulatory information

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

European Union:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:
• This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
hydrocarbons, C9, aromats -		3. 28. 29.

		40.
Titanium dioxide 13463-67-7		75.
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -		28. 29.
Carbon black 1333-86-4		75.

Chemical name	*Substance subject to authorization per REACH Annex XIV*	*Restricted substance per REACH Annex XVII*
Xylenes (o-, m-, p- isomers) 1330-20-7		75.

Persistent Organic Pollutants: Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU):
P5a - FLAMMABLE LIQUIDS
P5b - FLAMMABLE LIQUIDS
P5c - FLAMMABLE LIQUIDS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

volatile organic compounds (VOC) content: Not applicable

National regulations:

Denmark:

Chemical name	Denmark - MAL
Titanium dioxide 13463-67-7	0 m3/10 g substance MAL factor >=0.1 - 5 % by weight [3] >=5 % by weight [6] >0 % by weight [1]
Carbon black 1333-86-4	0 m3/10 g substance MAL factor >=0.1 - 5 % by weight [3] >=10 - 25 % by weight [3] >=25 % by weight [6] >=5 % by weight [6]
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	0 m3/10 g substance MAL factor >=2.0 % by weight [2]
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	0 m3/10 g substance MAL factor >=2.0 % by weight [3]
Dipropylene glycol monomethyl ether 34590-94-8	5 m3/10 g substance MAL factor >0 % by weight [1]

Germany:

Water hazard class (WGK): obviously hazardous to water (WGK 2) - Classification according to AwSV

Chemical name	WGK Classification (AwSV)	ID number
hydrocarbons, C9, aromats -	2	-
xylene (reaction product of xylene and	2	206

Chemical name	WGK Classification (AwSV)	ID number
ethylbenzene) -		
Titanium dioxide 13463-67-7	nwg	1345
Hydrocarbons, C9-C11, n-alkanes, i-alkanes, cyclics, < 2% aromates -	1	-
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	1	-
Carbon black 1333-86-4	nwg	1742
Hexanoic acid, 2-ethyl-, barium salt (2:1) 2457-01-4	1	4309
Hexanoic acid, 2-ethyl-, cobalt(2+) salt (2:1) 136-52-7	2	2305
Dipropylene glycol monomethyl ether 34590-94-8	1	5087

Chemical name	*WGK Classification (AwSV)*	*ID number*
Xylenes (o-, m-, p- isomers) 1330-20-7	2	206
Ethylbenzene 100-41-4	1	99

TA Luft (German Air Pollution Control Regulation):

total dust incl. fine dust (digit 5.2.1):	25 - 30%
org. substances (Ziffer 5.2.5):	15 - 20%
org. subst. (digit 5.2.5) class I:	10 - 15%

Storage class (TRGS 510): 3 • LGK3 - Flammable liquids

France:

Occupational Illnesses (R-463-3, France):

Chemical name	French RG number
hydrocarbons, C9, aromats -	RG 84
hydrocarbons, C10 - 13, n-alkanes, i-alkanes, cyclics, < 2% aromatics -	RG 84
Carbon black 1333-86-4	RG 16,RG 16bis
Dipropylene glycol monomethyl ether 34590-94-8	RG 84

Chemical name	*French RG number*
Xylenes (o-, m-, p- isomers) 1330-20-7	RG 4bis,RG 84
Ethylbenzene 100-41-4	RG 84

RG 4bis - Gastrointestinal conditions caused by benzene, toluene, xylenes, and any products containing them
RG 16 - Skin conditions or mucous membrane conditions caused by coal tars, coal oils (including "phenol", "naphthalene", "acenaphthene", "anthracene", and "chrysene" distillation fractions), coal pitches and soots from combustion of coal
RG 16bis - Cancers caused by coal tars, coal oils, coal pitches, and soots from combustion of coal
RG 84 - Occupational conditions caused by liquid organic solvents

Netherlands:

Chemical name	*Netherlands - List of Carcinogens*	*Netherlands - List of Mutagens*	*Netherlands - List of Reproductive Toxins*	*ZZS list: SVHC*	*(p)ZZS list: potential SVHC*
Xylenes (o-, m-, p- isomers) 1330-20-7			Development Category 2		
Ethylbenzene 100-41-4					x

Austria:

Flammable Liquids Regulations, VbF: Flammable liquids: AII

International Inventories:

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report: No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet:

Full text of H-Statements referred to under section 3:
EUH066 - Repeated exposure may cause skin dryness or cracking

H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H360 - May damage fertility or the unborn child
H361d - Suspected of damaging the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend:
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: European agreement concerning the international carriage of dangerous goods by road
(Accord européen relatif transport des merchandises dangereuses par route)
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)
BCF: Bio-Concentration Factor
BOD(5): Biochemical oxygen demand (within 5 days)
CAS: Chemical Abstract Service
CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic, toxic for Reproduction
DIN: German Standards Institute / German industrial norm
DNEL: Derived No Effect Level
DOC: Dissolved organic carbon
EAK/ AVV: European waste catalogue/ waste directory-regulation
EC50: Effective Concentration 50%
ECHA: European Chemical Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
IATA: International Air Transport Association
IC50: Inhibition Concentration 50%
IMDG: International Maritime Dangerous Goods Code
LC50: Lethal Concentration 50% - LD50: Lethal dose 50%
MAK: Treshold limit values Germany
NLP: No Longer Polymers
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
OECD: Organization for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PC: Product category
PNEC: Predicted No Effect Concentration
REACh: Registration, Evaluation and Authorization of Chemicals
RID:Regulations concerning the international carriage of dangerous goods by rail
(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Short-term Exposure Limit
STP: Sewage treatment plant
SVHC: Substance of Very High Concern
TLV: Threshold Limit Value
TWA: Time Weighted Average

UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent, very bioaccumulative

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Ceiling: Maximum limit value
* Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS:
European Chemicals Agency (ECHA)
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Revision date: 21-Oct-2021
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006:

Disclaimer:

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End of Safety Data Sheet