Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023 *Version number 24 (replaces version 23)* *Revision: 12.01.2023*

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

· **1.1 Product identifier**

· **Trade name: Toughcoat Grey**

· **Article number:** 86722

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

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

· **Application of the substance / the mixture** Coating compound / Surface coating/ paint

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

KENT (United Kingdom) Ltd
Forsyth House
Pitreavie Drive
Pitreavie Business Park
Dunfermline
Fife
KY11 8US

Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm
Fax: +44 1383 620079
SDS@kenteurope.com

· **1.4 Emergency telephone number:**

Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

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SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

health hazard

STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Warning

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· **Hazard-determining components of labelling:**
xylene
reaction mass of ethylbenzene and m-xylene and p-xylene
4-chloro-alpha,alpha,alpha-trifluorotoluene
· **Hazard statements**
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H373 May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.
· **Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing mist/vapours/spray.
P280 Wear protective gloves / eye protection.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Additional information:**
Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-25%
EC number: 905-562-9 Reg.nr.: 01-2119555267-33	reaction mass of ethylbenzene and m-xylene and p-xylene STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-25%
CAS: 14807-96-6 EINECS: 238-877-9 Reg.nr.: 01-2120140278-58	Talc (Mg3H2(SiO3)4) substance with a Community workplace exposure limit	5-10%
CAS: 68855-54-9 EINECS: 272-489-0 Reg.nr.: 01-2119488518-22	Kieselguhr, soda ash flux-calcined STOT RE 2, H373	5-10%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	Ethylbenzene Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332	5-10%
CAS: 13463-67-7 EINECS: 236-675-5	Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] substance with a Community workplace exposure limit	<5%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23	Butanol Flam. Liq. 3, H226; Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335; STOT SE 3, H336	0-<3%
CAS: 68187-76-8 EINECS: 269-123-7	SULFATED CASTOR OIL Skin Irrit. 2, H315; Eye Irrit. 2, H319	0-<3%
CAS: 98-56-6 EINECS: 202-681-1 Reg.nr.: 01-2119857280-40	4-chloro-alpha,alpha,alpha-trifluorotoluene Flam. Liq. 3, H226; Aquatic Chronic 2, H411; Skin Sens. 1B, H317	<3%
CAS: 546-93-0 EINECS: 208-915-9	Magnesium carbonate substance with a Community workplace exposure limit	0-<3%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **After inhalation**
Supply fresh air and call for doctor for safety reasons.
In case of unconsciousness bring patient into stable side position for transport.
· **After skin contact**
Instantly rinse with water.
If skin irritation continues, consult a doctor.
· **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
· **After swallowing**
Rinse out mouth.
In case of persistent symptoms consult doctor.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents** CO_2, extinguishing powder or water haze. Fight larger fires with water haze or alcohol-resistant foam.
· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
· **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
· **5.3 Advice for firefighters**
· **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear full protective suit.
· **Additional information**
Cool endangered containers with water spray jet.
Collect contaminated fire fighting water separately. It must not enter drains.

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SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Prevent material from reaching sewage system, holes and cellars.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:**
Use explosion-proof apparatus / fittings and spark-proof tools.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

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· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and containers:** Store only in the original container.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Store container in a well ventilated position.
<25°C
Keep container tightly sealed.
· **Storage class** 3
· **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
1330-20-7 xylene	
WEL	Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV
14807-96-6 Talc (Mg3H2(SiO3)4)	
WEL	Long-term value: 1 mg/m³
13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	
WEL	Long-term value: 10* 4** mg/m³ *total inhalable **respirable
78-83-1 Butanol	
WEL	Short-term value: 231 mg/m³, 75 ppm Long-term value: 154 mg/m³, 50 ppm
546-93-0 Magnesium carbonate	
WEL	Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust

· **Regulatory information** WEL: EH40/2020

· **DNELs**		
471-34-1 Calcium carbonate		
Inhalative	Long term systemic effect	10 mg/m3 (Worker)
	Long term local effect	4.26 mg/m3 (Worker)
1330-20-7 xylene		
Dermal	Long term local effect	3,182 mg/kg/day (Worker)
Inhalative	Acute local effect	442 mg/m3 (Worker)
	Long term local effect	221 mg/m3 (Worker)
reaction mass of ethylbenzene and m-xylene and p-xylene		
Dermal	Long term systemic effect	180 mg/kg bw/dy (Worker)
Inhalative	Long term systemic effect	77 mg/m³ (Worker)
	Acute local effect	289 mg/m³ (Worker)
	Acute systemic effect	289 mg/m³ (Worker)
100-41-4 Ethylbenzene		
Dermal	Long term systemic effect	180 mg/kg/day (Worker)
Inhalative	Acute local effect	293 mg/m³ (Worker)
	Long term local effect	77 mg/m³ (Worker)
78-83-1 Butanol		
Inhalative	Long term local effect	310 mg/l (Worker)
98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene		
Dermal	Acute local effect	17.6 µg/cm² (Worker)
	Long term systemic effect	0.4 mg/kg bw/dy (Worker)
Inhalative	Long term systemic effect	1.025 mg/m³ (Worker)
64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Dermal	Long term systemic effect	208 mg/kg bw/day (Worker)
Inhalative	Long term systemic effect	871 mg/m3 (Worker)

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1333-86-4 Carbon black		
Inhalative	Long term systemic effect	2 mg/m³ (Worker)
	Long term local effect	2 mg/m³ (Worker)

· **PNECs**

1330-20-7 xylene	
PNEC	0.327 mg/l (Aqua (freshwater))
	0.327 mg/l (Aqua (marine water))
	12.46 mg/l (Freshwater sediment)
	12.46 mg/l (Marine water sediment)
	6.58 mg/l (Sewage treatment plant)
	2.31 mg/kg (Soil)
reaction mass of ethylbenzene and m-xylene and p-xylene	
PNEC	0.327 mg/l (Aqua (freshwater))
	0.327 mg/l (Aqua (intermittent))
	0.327 mg/1 (Aqua (marine water))
	12.46 mg/kg (Freshwater sediment)
	12.46 mg/kg (Marine water sediment)
	6.58 mg/l (Sewage treatment plant)
	2.31 mg/kg (Soil)
100-41-4 Ethylbenzene	
PNEC	0.1 mg/l (Aqua (freshwater))
	0.1 mg/l (Aqua (intermittent))
	0.1 mg/l (Aqua (marine water))
13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	
PNEC	0.184 mg/l (Aqua (freshwater))
	0.193 mg/l (Aqua (intermittent))
	0.0184 mg/l (Aqua (marine water))
	1,000 mg/kg (Freshwater sediment)
	100 mg/kg (Marine water sediment)
	100 mg/l (Sewage treatment plant)
	100 mg/kg (Soil)
78-83-1 Butanol	
PNEC	0.04 mg/l (Aqua (freshwater))
	11 mg/l (Aqua (intermittent))
	0.04 mg/l (Aqua (marine water))
	1.52 mg/l (Freshwater sediment)
	0.152 mg/kg (Marine water sediment)
	0.0699 mg/kg (Soil)
98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene	
PNEC	2 µg/l (Aqua (freshwater))
	20 µg/l (Aqua (intermittent))
	0.2 µg/l (Aqua (marine water))
	0.0216 mg/kg (Freshwater sediment)
	0.00216 mg/kg (Marine water sediment)
	0.032 mg/l (Sewage treatment plant)
	0.0258 mg/kg (Soil)

· **Ingredients with biological limit values:**

1330-20-7 xylene	
BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see item 7.

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· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
· **Breathing equipment:**
Filter A (EN 14387)
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
· **Hand protection**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
Wear suitable gloves tested to EN 374
Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
Value for the permeation: Level 6 > 480 minutes
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye/face protection**

Tightly sealed safety glasses. (EN 166)

· **Body protection:** Protective work clothing (EN-13034/6)

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· **General Information**	
· **Physical state**	Fluid
· **Colour:**	Grey
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Not determined
· **Boiling point or initial boiling point and boiling range**	Not determined
· **Flammability**	Flammable.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	26 °C
· **Decomposition temperature:**	Not determined.
· **pH**	Mixture is non-soluble (in water).
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.
· **dynamic:**	Not determined.
· **Solubility**	
· **Water:**	Not miscible / difficult to mix
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Vapour pressure:**	Not determined.
· **Density and/or relative density**	
· **Density at 20 °C**	1.2 g/cm³

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· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Self-inflammability:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· **Solvent content:**	
· **Organic solvents:**	439 g/l VOC
· **Change in condition**	
· **Evaporation rate**	Not determined.
· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Flammable liquid and vapour.
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

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SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known
· **10.4 Conditions to avoid** Heat. Hot surfaces. Sources of ignition. Flames.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:**
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide

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SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

1330-20-7 xylene		
Oral	LD50	4,300 mg/kg (Rat)
Dermal	LD50	2,000 mg/kg (Rabbit)
100-41-4 Ethylbenzene		
Oral	LD50	3,500 mg/kg (Rat)
Dermal	LD50	5,000 mg/kg (Rabbit)

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13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]		
Oral	LD50	>20,000 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (rbt)
	ErC 50	61 mg/l (Algae) (EPA 600/9-78-018, 72 hr)
78-83-1 Butanol		
Oral	LD50	2,460 mg/kg (Rat)
Dermal	LD50	4,200 mg/kg (Rabbit)
64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>3,000 mg/kg (Rabbit)
1333-86-4 Carbon black		
Oral	LD50	10,000 mg/kg (Rat)

· **Skin corrosion/irritation** Causes skin irritation.
· **Serious eye damage/irritation** Causes serious eye irritation.
· **Respiratory or skin sensitisation** May cause an allergic skin reaction.
· **STOT-single exposure** May cause respiratory irritation.
· **STOT-repeated exposure**
May cause damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients is listed.

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SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
471-34-1 Calcium carbonate	
EC50	>1,000 mg/l (Activated sludge) (OECD 209 3 hrs)
EC50 (72 hr)	>200 mg/l (Algae)
	>14 mg/l (Desmodesmus subspicatus) (OECD 202)
NOEC	1,000 mg/l (Activated sludge) (OECD 209 3 hrs)
NOELR	14 mg/l (Desmodesmus subspicatus) (OECD 201 72 hrs)
1330-20-7 xylene	
CE50	10 mg/l (Fish) (72h)
EC50 (48 hr)	7.4 mg/l (Daphnia magna)
LC50 (96 hr)	3.77-13.5 mg/l (Fish)
reaction mass of ethylbenzene and m-xylene and p-xylene	
EC50	2.93-4 mg/l (Daphnia magna)
EC50 (72 hr)	1.3 mg/l (Algae)
LC50	3,300-4,093 ug/l (Fish)
100-41-4 Ethylbenzene	
EC50	>100 mg/l (Daphnia magna)
LC50 (96 hr)	>10 mg/l (Fish)
13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	
LC50 (48 hr)	5.5 mg/l (Crustacea)
LC50 (96 hr)	>100 mg/l (Oncorhynchus mykiss) (= OECD 203)
78-83-1 Butanol	
CE10 (16 hr)	750 mg/l (Pseudomonas Putida) (Bacteria: CE10)
CE50 (15 mins)	1,225 mg/l (Photobacterium phosphoreum) (Bacteria: Microtox Test: long term toxicity)
CI 50 (48 hr)	1,439 mg/l (Daphnia magna) ((DIN 38412))
CL50	1,430 mg/l (Pimephales promelas) (96 hours)
EC50 (48 hr)	1,100 mg/l (Daphnia magna)
EC50 (72 hr)	1,799 mg/l (Selenastrum capricornutum)
EL50 (48 hr)	885 mg/l (Leuciscus Idus) (CLO, 48 h (DIN 38412))
LC50 (96 hr)	1,430 mg/l (Pimephales promelas)

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NOEC	>1,000 mg/l (Activated sludge)
NOEC (21 days)	20 mg/l (Daphnia magna)
98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene	
EC50 (48 hr)	3.68 mg/l (Daphnia magna)
LC50 (72 hr)	11.4 mg/l (Lepomis macrochirus)
64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	
EL50 (72 hr)	>1,000 mg/l (Pseudokirchneriella subcapitata)
ELO (48 hr)	1,000 mg/l (Daphnia magna)
LL50 (96 hr)	>1,000 mg/l (Oncorhynchus mykiss)
NOELR	100 mg/l (Pseudokirchneriella subcapitata) (72 hrs)
1333-86-4 Carbon black	
EC50 (24 hr)	>5,600 mg/l (Daphnia magna) (OECD 202)
LC50 (96 hr)	>1,000 mg/l (Brachydanio rerio) (OECD 203)

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

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SECTION 14: Transport information

· **14.1 UN number or ID number**
· **ADR, IMDG, IATA** UN1263

· **14.2 UN proper shipping name**
· **ADR** 1263 PAINT
· **IMDG, IATA** PAINT

· **14.3 Transport hazard class(es)**

· **ADR**

· **Class** 3 (F1) Flammable liquids.
· **Label** 3

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· **IMDG, IATA**

· **Class**	3 Flammable liquids.
· **Label**	3
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	III
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Warning: Flammable liquids.
· **EMS Number:**	F-E,S-D
· **Stowage Category**	A
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Transport category**	3
· **Tunnel restriction code**	D/E
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **UN "Model Regulation":**	UN 1263 PAINT, 3, III

*
SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** P5c FLAMMABLE LIQUIDS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
NK	23.6

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.

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Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.01.2023 *Version number 24 (replaces version 23)* *Revision: 12.01.2023*

Trade name: Toughcoat Grey

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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.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

· ***Department issuing data specification sheet:*** *Environment protection department*
· ***Abbreviations and acronyms:***
RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
· ***Data compared to the previous version altered.*** *