

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 SDS Reference Number: 28611000001017 Issue date: 3/12/2012 Revision date: 5/20/2025 Supersedes version of: 3/4/2022 Version: 2.4

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

1.1. Product identifier

Product form Product name UFI : Mixture : RL171LF/BK

: QAT2-M0KY-700U-4TSU

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

Relevant identified uses

Main use category Use of the substance/mixture Professional useAdhesives, binding agents

1.3. Details of the supplier of the safety data sheet

Manufacturer

Robnor ResinLab Ltd 31 Athena Avenue Elgin Industrial Estate SN2 8EJ Swindon, Wiltshire United Kingdom T +44(0) 1793 823741, F +44(0) 1793 827033 eusds@robnor.co.uk

1.4. Emergency telephone number

Emergency number

: EUROPE: +44 1235 239670 24 hours a day, 7 days a week

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Reproductive toxicity, Category 2H361Hazardous to the aquatic environment – Chronic Hazard,H411

Category 2

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

Adverse physicochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP) Contains

: Warning : Phenol, isopropylated, phosphate (3:1)

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Hazard statements (CLP)	: H361 - Suspected of damaging fertility or the unborn child. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P273 - Avoid release to the environment. P280 - Wear protective clothing, eye protection, face protection, protective gloves. P308+P313 - IF exposed or concerned: Get medical advice/attention. P391 - Collect spillage.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Kaolin substance with national workplace exposure limit(s) (GB)	CAS-No.: 1332-58-7 EC-No.: 310-194-1	≥ 0.1 – < 5	Not classified
Phenol, isopropylated, phosphate (3:1)	CAS-No.: 68937-41-7 EC-No.: 273-066-3	≥ 0.1 – < 5	Repr. 2, H361fd STOT RE 2, H373 Aquatic Chronic 1, H410
Zeolites substance with national workplace exposure limit(s) (GB)	CAS-No.: 1318-02-1 EC-No.: 215-283-8	≥ 0.1 – < 5	Not classified
carbon black	CAS-No.: 1333-86-4 EC-No.: 215-609-9	≥ 0.1 – < 5	Not classified
silicon dioxide, chemically prepared substance with national workplace exposure limit(s) (GB)	CAS-No.: 7631-86-9 EC-No.: 231-545-4	≥ 0.1 – < 5	Not classified

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

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
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.
First-aid measures for first aider	: First aid workers will be equipped with suitable personal protective equipment.

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

No additional information available

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

Treat symptomatically.

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SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream.				
5.2. Special hazards arising from the subst	5.2. Special hazards arising from the substance or mixture				
Explosion hazard Hazardous decomposition products in case of fire	No direct explosion hazard.Toxic fumes may be released.				
5.3. Advice for firefighters					
Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Complete protective clothing. Prevent fire fighting water from entering the environment.				
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				
For non-emergency personnel				
Protective equipment	: Wear recommended personal protective equipment.			
Emergency procedures	: Ventilate spillage area.			
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".			
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.			
6.2. Environmental precautions				

Avoid release to the environment. Do not allow to enter drains or water courses.

6.3. Methods and material for contain	nment and cleaning up
For containment	: Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
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	
Additional hazards when processed Precautions for safe handling	 Do not breathe dust created by sanding, grinding or machining. Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.
Hygiene measures	 Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage,	Including any incompatibilities	
Technical measures	: Keep in a cool, well-ventilated place away from heat.	
Packaging materials	: Store always product in container of same material as original container.	

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Kaolin (1332-58-7)			
United Kingdom - Occupational Exposure Limits			
2 mg/m³ (Respirable dust)			
10 mg/m³ 4 mg/m³			
silicon dioxide, chemically prepared (7631-86-9)			
6 mg/m³ (Inhalable dust) 2.4 mg/m³ (Respirable dust)			
carbon black (1333-86-4)			
United Kingdom - Occupational Exposure Limits			
3.5 mg/m³			
7 mg/m³			

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace. Ensure there is adequate ventilation. Local exhaust and general ventilation must be adequate to meet exposure standards.

Personal protection equipment

Personal protective equipment: Wear recommended personal protective equipment. Personal protective equipment symbol(s):



Eye and face protection

Eye protection: Safety glasses with side shields. Chemical goggles. EN 166

Skin protection

Skin and body protection: Wear suitable protective clothing

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Hand protection:

Protective gloves. Chemically resistant protective gloves. EN ISO 374. Nitrile rubber gloves. Breakthrough time : 6 (> 480 minutes)

Other skin protection

Materials for protective clothing:

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Respiratory protection

Respiratory protection:

Provide adequate general and local exhaust ventilation. In case of inadequate ventilation wear respiratory protection. In case of vapour formation use adequate respirator. Respiratory protective device with a combined gas and particle filter. Approved supplied air respirator

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Black.
Odor	: Odourless.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 200 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 6-8
Viscosity	: Not available
Viscosity, dynamic	: 7000 – 12000 mPa⋅s
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1.57
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

Other safety characteristics

VOC content

: <5%

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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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

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral):Acute toxicity (dermal):Acute toxicity (inhalation):	Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)	
Phenol, isopropylated, phosphate (3:1) (68937	7-41-7)	
LD50 dermal rabbit	> 10000 mg/kg bodyweight Animal: rabbit, Guideline: other:16 CFR 1500. 40	
Zeolites (1318-02-1)		
LD50 oral rat	> 5110 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Female, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat	> 3.35 mg/l air (4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))	
silicon dioxide, chemically prepared (7631-86-9)		
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight (24 h, Rabbit, Experimental value, Dermal, 2 day(s))	
LC50 Inhalation - Rat	> 5.01 mg/l (OECD 436: Acute inhalation toxicity-acute toxic class method, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 15 day(s))	
carbon black (1333-86-4)		
LD50 oral rat	> 10000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 28 day(s))	
LD50 dermal rabbit	> 8000 mg/kg Source: ECHA	
LC50 Inhalation - Rat	> 4.6 mg/m³	
Skin corrosion/irritation :	Not classified (Based on available data, the classification criteria are not met) pH: 6 – 8	
Zeolites (1318-02-1)		
рН	10 – 11	

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silicon dioxide, chemically prepared (7631-86	-9)
рН	3.6 - 4.5
carbon black (1333-86-4)	
рН	4 – 10 (5 %, 20 °C)
Serious eye damage/irritation :	Not classified (Based on available data, the classification criteria are not met) pH: $6 - 8$
Zeolites (1318-02-1)	
рН	10 – 11
silicon dioxide, chemically prepared (7631-86	-9)
рН	3.6 - 4.5
carbon black (1333-86-4)	
рН	4 – 10 (5 %, 20 °C)
Respiratory or skin sensitisation :	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity :	Not classified (Based on available data, the classification criteria are not met)
	3 - Not classifiable
silicon dioxide, chemically prepared (7631-86	-9)
NOAEL (chronic, oral, animal/male, 2 years)	1800 – 3000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (chronic, oral, animal/female, 2 years)	1800 – 3200 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
IARC group	3 - Not classifiable
carbon black (1333-86-4)	
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity :	Suspected of damaging fertility or the unborn child.
STOT-single exposure :	Not classified (Based on available data, the classification criteria are not met)
Phonol icontropulated phoophate (2:1) (6992)	The classified (based on available data, the classification chiena are not met)
Prierol, isopropylated, priospirate (3.1) (6653)	
LOAEL (dermal, rat/rabbit, 90 days)	Dermal Toxicity: 21/28-Day Study)
STOT-repeated exposure	May cause damage to organs (adrenal glands, male genitalia) through prolonged or repeated exposure.
silicon dioxide, chemically prepared (7631-86	-9)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 10000 mg/kg bodyweight Animal: rabbit
carbon black (1333-86-4)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0071 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (oral, rat, 90 days)	 > 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0011 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
Aspiration hazard :	Not classified (Based on available data, the classification criteria are not met)

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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general:Ecology - water:Hazardous to the aquatic environment, short-term:(acute):Hazardous to the aquatic environment, long-term:(chronic):	Toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Not classified (Based on available data, the classification criteria are not met) Toxic to aquatic life with long lasting effects.	
Phenol, isopropylated, phosphate (3:1) (68937	7-41-7)	
LC50 - Fish [1]	10.8 mg/l 96h	
LC50 - Other aquatic organisms [1]	1.5 mg/l 48h	
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 72h - Algae [2]	> 2.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
EC50 96h - Algae [1]	> 2.5 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
NOEC (chronic)	0.0031 mg/l growth rate 33d exposure time	
Zeolites (1318-02-1)		
EC50 - Crustacea [1]	2808 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Read-across, Nominal concentration)	
ErC50 algae	18 – 34 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, Nominal concentration)	
LOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	> 86.7 mg/l Test organisms (species): Pimephales promelas Duration: '30 d'	
silicon dioxide, chemically prepared (7631-86	-9)	
EC50 72h - Algae [1]	> 173.1 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)	
LOEC (chronic)	149.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
carbon black (1333-86-4)		
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value, Lethal)	
EC50 - Crustacea [1]	> 5600 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)	
EC50 72h - Algae [1]	> 10000 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)	
EC50 72h - Algae [2]	> 10000 mg/l Test organisms (species):	
ErC50 algae	> 10000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)	

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12.2. Persistence and degradability		
RL171LF/BK		
Persistence and degradability	Not rapidly degradable	
Phenol, isopropylated, phosphate (3:1) (68937	7-41-7)	
Persistence and degradability	Not rapidly degradable	
Kaolin (1332-58-7)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
Zeolites (1318-02-1)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
silicon dioxide, chemically prepared (7631-86-	-9)	
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
carbon black (1333-86-4)		
Persistence and degradability	Biodegradability in soil: not applicable, Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
12.3. Bioaccumulative potential		
Kaolin (1332-58-7)		
Bioaccumulative potential	No bioaccumulation data available.	
Zeolites (1318-02-1)		
BCF - Other aquatic organisms [1]	0.59 – 0.95 (28 day(s), Static system, Fresh water, Experimental value, Fresh weight)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
silicon dioxide, chemically prepared (7631-86-9)		
Bioaccumulative potential	Not bioaccumulative.	
carbon black (1333-86-4)		
Bioaccumulative potential	Not bioaccumulative.	
12.4. Mobility in soil		
Kaolin (1332-58-7)		
Ecology - soil	No (test)data on mobility of the substance available.	
Zeolites (1318-02-1)		
Surface tension	No data available in the literature	
Ecology - soil	Low potential for mobility in soil.	

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silicon dioxide, chemically prepared (7631-86-9)		
Surface tension No data available in the literature		
Ecology - soil No (test)data on mobility of the substance available.		
carbon black (1333-86-4)		
Surface tension	Not applicable (solid)	
Ecology - soil No (test)data on mobility of the substance available. Not toxic to plants. Not toxic to animals.		

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation Waste treatment methods	 Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations Product/Packaging disposal recommendations Additional information	 Disposal must be done according to official regulations. Disposal must be done according to official regulations. Do not re-use empty containers.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.1. UN number or ID n	14.1. UN number or ID number				
UN 3082	UN 3082 UN 3082 UN 3082		UN 3082		
14.2. UN proper shipping name					
ENVIRONMENTALLY HAZARDOUSENVIRONMENTALLY HAZARDOUSEnvironmentally hazardous substance, liquid, n.o.s. (Phenol, isopropylated, no.s. (Phenol, isopropylated, phosphate (3:1))Environmentally hazardous substance, liquid, n.o.s. (Phenol, isopropylated, phosphate (3:1))		ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated, phosphate (3:1))	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated, phosphate (3:1))		
Transport document descr	iption				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated, phosphate (3:1)), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated, phosphate (3:1)), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Phenol, isopropylated, phosphate (3:1)), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated, phosphate (3:1)), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenol, isopropylated, phosphate (3:1)), 9, III	

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.3. Transport hazard class(es)				
9	9	9	9	9
14.4. Packing group				1
III	III	III	III	III
14.5. Environmental haz	ards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-A EmS-No. (Spillage): S-F	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information	n available			•
14.6. Special precaution	s for user			
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (AD Portable tank and bulk contain Portable tank and bulk contain (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage Special provisions for carriage and handling (ADR) Hazard identification number Orange plates	E Packages (ADR) (Kemler No.) E	A6 274, 335, 375, 601, 650 51 2001, IBC03, LP01, R001 291 AP19 74 791, TP29 3GBV AT 3 712 CV13 90 90 3082		
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (IMDG) Special packing provisions (IMDG) Tank instructions (IMDG) Tank special provisions (IMDG) Stowage category (IMDG) Air transport PCA Excepted quantities (IAT	ADG) : I G) : I G) : I G) : I A) : I	3Z 274, 335, 375, 969 5 L 21 .P01, P001 PP1 BC03 74 7P1, TP29		

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PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA)	•••••••••••••••••••••••••••••••••••••••	Y964 30kgG 964 450L 964 450L A97, A158, A197, A215 9L
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Carriage permitted (ADN) Equipment required (ADN) Number of blue cones/lights (ADN)	•••••••••	M6 274, 335, 375, 601, 650 5 L E1 T PP 0
Rail transport Classification code (RID) Special provisions (RID) Limited quantities (RID) Excepted quantities (RID) Packing instructions (RID) Special packing provisions (RID) Mixed packing provisions (RID) Portable tank and bulk container instructions (RID) Portable tank and bulk container special provisions	: : : : : : : : : : : : : : : : : : : :	M6 274, 335, 375, 601, 650 5L E1 P001, IBC03, LP01, R001 PP1 MP19 T4 TP1, TP29
(RID) Tank codes for RID tanks (RID) Transport category (RID) Special provisions for carriage – Packages (RID) Special provisions for carriage - Loading, unloading and handling (RID) Colis express (express parcels) (RID) Hazard identification number (RID)	••••••	LGBV 3 W12 CW13, CW31 CE8 90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3(b)	RL171LF/BK ; Phenol, isopropylated, phosphate (3:1)
3(c)	RL171LF/BK ; Phenol, isopropylated, phosphate (3:1)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

 $\label{eq:contains} \mbox{ contains no substance}(s) \mbox{ listed on the REACH Candidate List}$

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content

: < 5 %

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ACGIH	American Conference of Government Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
МАК	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

Full text of H- and EUH-statements:	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Repr. 2	Reproductive toxicity, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H361	Suspected of damaging fertility or the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.