

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURES AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Quicktemp Glaze and Bond

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

No information provided

1.3. Details of the supplier of the safety data sheet

Manufacturer: Schottlander Manufacturing GmbH
Goosacker 49
22549 Hamburg
Germany

Distributor: Davis Schottlander & Davis Ltd
Fifth Avenue, Letchworth Garden City
Hertfordshire SG6 2WD, UK
msds@schottlander.co.uk
www.schottlander.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture Regulation (EC) No. 1272/2008

Regulation (EC) No 1272/2008

Flam. Liq. 1; H224
Repr. 1B; H360
Skin Irrit. 2; H315
Eye Irrit. 2; H319
Skin Sens. 1; H317
STOT SE 3; H335
Aquatic Chronic 3; H412
Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate
2-Propenoic acid, reaction products with dipentaerythritol
Vinylester resin
phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
Methacryloyloxyethyl Maleate
2-Ethylhexyl 4-(dimethylamino)benzoate
2-Propenoic acid, reaction products with pentaerythritol

Signal word: Danger

Pictograms:



Hazard statements

- H224 Extremely flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H360 May damage fertility or the unborn child.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P233 Keep container tightly closed.
P280 Wear protective gloves and eye protection /face protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Special labelling of certain mixtures

Contains < 1 % of components with unknown hazards to the aquatic environment. Restricted to professional users.

2.3. Other hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

No information available

3.2. Mixtures**Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate			45 - < 50 %
	201-297-1	607-035-00-6	01-2119452498-28	
	Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335			
1384855-91-7	2-Propenoic acid, reaction products with dipentaerythritol			30 - < 35 %
	800-838-4		01-2119980666-22	
	Eye Irrit. 2, Skin Sens. 1A, Aquatic Chronic 3; H319 H317 H412			
	Vinylester resin			5 - < 10 %
			01-2119490020-53	
	Skin Sens. 1, Aquatic Chronic 2; H317 H411			
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide			1 - < 5 %
	423-340-5	015-189-00-5		

	Skin Sens. 1A, Aquatic Chronic 4; H317 H413	
51978-15-5	Methacryloyloxyethyl Maleate	1 - < 5 %
	257-569-5	
	Skin Corr. 1B, Skin Sens. 1; H314 H317	
21245-02-3	2-Ethylhexyl 4-(dimethylamino)benzoate	1 - < 5 %
	244-289-3	01-2120766649-35
	Repr. 1B; H360	
1245638-61-2	2-Propenoic acid, reaction products with pentaerythritol	< 1 %
	629-850-6	01-2119490003-49
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 2; H302 H315 H318 H317 H411	
79-10-7	acrylic acid	< 0.1 %
	201-177-9	607-061-00-8
		01-2119452449-31
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, STOT SE 3, Aquatic Acute 1; H226 H332 H312 H302 H314 H335 H400	

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
80-62-6	201-297-1	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	45 - < 50 %
		inhalation: LC50 = 29,8 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	
21245-02-3	244-289-3	2-Ethylhexyl 4-(dimethylamino)benzoate	1 - < 5 %
		oral: LD50 = 14900 mg/kg	
1245638-61-2	629-850-6	2-Propenoic acid, reaction products with pentaerythritol	< 1 %
		oral: LD50 = 540 mg/kg	
79-10-7	201-177-9	acrylic acid	< 0.1 %
		inhalation: LC50 = >5,1 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 1000 mg/kg STOT SE 3; H335: >= 1 - 100 Aquatic Acute 1; H400: M=1	

4. FIRST AID MEASURES

4.1. Description of first aid measures

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

No information available.

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

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media Suitable extinguishing media

Carbon dioxide (CO₂), Foam, Extinguishing powder.

Unsuitable extinguishing media

Water.

5.2. Special hazards arising from the substance or mixture

Extremely flammable liquid and vapour. Vapours can form explosive mixtures with air.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Explosion risk.

6.3. Methods and material for containment and cleaning up For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection program. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only.

Provide adequate ventilation as well as local exhaustion at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
128-37-0	2,6-Ditertiary-butyl-para-cresol	-	2		TWA (8 h)	
79-10-7	Acrylic acid	10	29		TWA (8 h)	
		20	59		STEL (1 min)	
80-62-6	Methyl methacrylate	50	-		TWA (8 h)	
		100	-		STEL (15 min)	

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate			
Worker DNEL, long-term		inhalation	local	208 mg/m ³
Worker DNEL, long-term		dermal	systemic	13,7 mg/kg bw/day
Worker DNEL, long-term		dermal	local	1,5 mg/cm ²
Worker DNEL, acute		inhalation	local	416 mg/m ³
Worker DNEL, long-term		inhalation	systemic	348,4 mg/m ³
Worker DNEL, acute		dermal	local	1,5 mg/cm ²
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide			
Worker DNEL, long-term		inhalation	systemic	21 mg/m ³
Worker DNEL, long-term		dermal	systemic	3,3 mg/kg bw/day
1245638-61-2	2-Propenoic acid, reaction products with pentaerythritol			
Worker DNEL, long-term		inhalation	systemic	7,35 mg/m ³
Worker DNEL, long-term		dermal	systemic	1,04 mg/kg bw/day
128-37-0	2,6-Di-tert-butyl-4-methylphenol			
Worker DNEL, long-term		inhalation	systemic	3,5 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,5 mg/kg bw/day

CAS No	Substance	Value
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	
Freshwater		0,94 mg/l
Marine water		0,094 mg/l
Freshwater sediment		10,2 mg/kg
Marine sediment		10,2 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		1,48 mg/kg
1384855-91-7	2-Propenoic acid, reaction products with dipentaerythritol	
Freshwater		0,013 mg/l
Freshwater (intermittent releases)		0,13 mg/l
Marine water		0,001 mg/l
Freshwater sediment		2,8 mg/kg

Marine sediment	0,28 mg/kg
Micro-organisms in sewage treatment plants (STP)	10 mg/l
Soil	0,22 mg/kg
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
Freshwater	0,001 mg/l
Freshwater (intermittent releases)	0,001 mg/l
Marine water	0,001 mg/l
Freshwater sediment	0,712 mg/kg
Marine sediment	0,712 mg/kg
Micro-organisms in sewage treatment plants (STP)	1 mg/l
Soil	20 mg/kg
1245638-61-2	2-Propenoic acid, reaction products with pentaerythritol
Freshwater	0,0032 mg/l
Freshwater (intermittent releases)	0,032 mg/l
Marine water	0,00032 mg/l
Freshwater sediment	0,1512 mg/kg
Marine sediment	0,01512 mg/kg
Micro-organisms in sewage treatment plants (STP)	10 mg/l
Soil	0,0284 mg/kg
79-10-7	acrylic acid
Freshwater	0,0089 mg/l
Freshwater (intermittent releases)	0,089 mg/l
Freshwater sediment	383 mg/kg
Marine sediment	38,3 mg/kg
Micro-organisms in sewage treatment plants (STP)	1,8 mg/l
Soil	0,060 mg/kg
128-37-0	2,6-Di-tert-butyl-4-methylphenol
Freshwater	0,000199 mg/l
Freshwater (intermittent releases)	0,00199 mg/l
Marine water	0,000199 mg/l
Freshwater sediment	0,0996 mg/kg
Marine sediment	0,00996 mg/kg
Soil	0,04769 mg/kg

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including

the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Thermal hazards

Flame-retardant protective clothing. Wear anti-static footwear and clothing

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	not determined
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Flammability:	not determined
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	> 10 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / kinematic:	not determined
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
Solubility in other solvents:	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density:	not determined
Relative vapour density:	not determined
Particle characteristics:	not applicable

9.2. Other information**Information with regard to physical hazard classes**

Explosive properties:
The product is not: Explosive

Oxidizing properties:
The product is not: oxidising

10. STABILITY AND REACTIVITY**10.1. Reactivity**

Extremely flammable liquid and vapour.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

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.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate				
	oral	LD50 >5000 mg/kg	Rat	supplier SDS	
	dermal	LD50 >5000 mg/kg	Rabbit	supplier SDS	
	inhalation (4 h) vapour	LC50 29,8 mg/l	Rat	supplier SDS	
21245-02-3	2-Ethylhexyl 4-(dimethylamino)benzoate				
	oral	LD50 14900 mg/kg	Rat	ECHA	OECD 401
1245638-61-2	2-Propenoic acid, reaction products with pentaerythritol				
	oral	LD50 540 mg/kg	Rat	supplier SDS	OECD 401
79-10-7	acrylic acid				
	oral	LD50 1000 mg/kg	Rat	ECHA	OECD 423
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA	
	inhalation (4 h) vapour	LC50 >5,1 mg/l	Rat	ECHA	OECD 403
	inhalation dust/mist	ATE 1,5 mg/l			

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

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

Sensitising effects

May cause an allergic skin reaction. (methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; 2-Propenoic acid, reaction products with dipentaerythritol; Vinylester resin; phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide; Methacryloyloxyethyl Maleate; 2-Propenoic acid, reaction products with pentaerythritol)

Carcinogenic/mutagenic/toxic effects for reproduction

May damage fertility or the unborn child. (2-Ethylhexyl 4-(dimethylamino)benzoate) Germ cell mutagenicity: Based on available data, the classification criteria are not met. Carcinogenicity: Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation. (methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards**Other information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

12. ECOLOGICAL INFORMATION**12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate					
	Acute fish toxicity	LC50 >100 mg/l	96 h		supplier SDS	OECD 203
	Acute algae toxicity	ErC50 110 mg/l	72 h	Selenastrum capricornutum	ECHA	
	Fish toxicity	NOEC 9,4 mg/l			supplier SDS	OECD 210
	Algae toxicity	NOEC >110 mg/l		Selenastrum capricornutum	supplier SDS	OECD 201
	Crustacea toxicity	NOEC 37 mg/l		Daphnia magna (Big water flea)	supplier SDS	OECD 202
1384855-91-7	2-Propenoic acid, reaction products with dipentaerythritol					
	Acute fish toxicity	LC50 8,9 mg/l	96 h	Cyprinus carpio (Common Carp)	ECHA	OECD 203
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Pseudokirchneriella subcapitata	supplier SDS	OECD 201
	Acute crustacea toxicity	EC50 18 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	OECD 202
	Vinylester resin					
	Acute fish toxicity	LC50 >100 mg/l	96 h		supplier SDS	OECD 203
	Acute algae toxicity	ErC50 105 mg/l	72 h		supplier SDS	OECD 201
	Acute crustacea toxicity	EC50 >100 mg/l	48 h		supplier SDS	OECD 202
79-10-7	acrylic acid					
	Acute fish toxicity	LC50 222 mg/l	96 h	Danio rerio (zebrafish)	ECHA	semistatic
	Acute algae toxicity	ErC50 0,13 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 47 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate			
	OECD 301C	94%	14	
	Readily biodegradable (according to OECD criteria).			
1384855-91-7	2-Propenoic acid, reaction products with dipentaerythritol			
	OECD 301B	0,2	29	
	Not readily biodegradable (according to OECD criteria)			
	Vinylester resin			
	OECD 301F	42%	28	
	Not readily biodegradable (according to OECD criteria)			
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide			
	OECD 301B	1 %	28	
	Not readily biodegradable (according to OECD criteria)			
1245638-61-2	2-Propenoic acid, reaction products with pentaerythritol			
	OECD 301B	6-14%	28	
	Not readily biodegradable (according to OECD criteria)			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
80-62-6	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	1,38
1384855-91-7	2-Propenoic acid, reaction products with dipentaerythritol	0,25 - 4,55
	Vinylester resin	3,8
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	5,8
21245-02-3	2-Ethylhexyl 4-(dimethylamino)benzoate	6,2
1245638-61-2	2-Propenoic acid, reaction products with pentaerythritol	3,11
79-10-7	acrylic acid	0,35

BCF

CAS No	Chemical name	BCF	Species	Source
1384855-91-7	2-Propenoic acid, reaction products with dipentaerythritol	18,6-86,4		
162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	< 5	Cyprinus carpio (Common Carp)	
79-10-7	acrylic acid	3,16		

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself.

14. TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1. UN number or ID number:	UN 1247
14.2. UN proper shipping name:	METHYL METHACRYLATE MONOMER, STABILIZED
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3



Classification code:	F1
Special Provisions:	386 676
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	339
Tunnel restriction code:	D/E

Marine transport (IMDG)

14.1. UN number or ID number:	UN 1247
14.2. UN proper shipping name:	METHYL METHACRYLATE MONOMER, STABILIZED
14.3. Transport hazard class(es):	3
14.4. Packing group:	II
Hazard label:	3



Special Provisions:	386
Limited quantity:	1 L
Excepted quantity:	E2
EmS:	F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number or ID number: UN 1247
 14.2. UN proper shipping name: METHYL METHACRYLATE MONOMER, STABILIZED
 14.3. Transport hazard class(es): 3
 14.4. Packing group: II
 Hazard label: 3



Special Provisions: A209
 Limited quantity Passenger: 1 L
 Passenger LQ: Y341
 Excepted quantity: E2
 IATA-packing instructions - Passenger: 353
 IATA-max. quantity - Passenger: 5 L
 IATA-packing instructions - Cargo: 364
 IATA-max. quantity - Cargo: 60 L

- 14.6. Special precautions for user
 Warning: Combustible liquid.
 14.7. Maritime transport in bulk according to IMO instruments
 not applicable

15. REGULATORY INFORMATION

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

EU regulatory information

Restrictions on use (REACH, annex XVII): Entry 3, Entry 40, Entry 75

Information according to Directive 2012/18/EU (SEVESO III): P5a FLAMMABLE LIQUIDS

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. OTHER INFORMATION

Abbreviations and acronyms

Flam. Liq: Flammable liquid

Acute Tox: Acute toxicity

Skin Corr: Skin corrosion

Skin Irrit: Skin irritation

Eye Dam: Eye damage

Eye Irrit: Eye irritation

Skin Sens: Skin sensitisation

Repr: Reproductive toxicity

STOT SE: Specific target organ toxicity - single exposure

Aquatic Acute: Acute aquatic hazard
 Aquatic Chronic: Chronic aquatic hazard
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 EC/EEC: European Community/European Economic Community
 EU: European Union
 CAS: Chemical Abstracts Service
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 M-factor: Multiplying factor
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Regulations concerning the international carriage of dangerous goods by rail
 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)
 IATA: International Air Transport Association
 DGR: Dangerous Goods Regulations
 ICAO: International Civil Aviation Organization
 TI: Technical Instructions
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 1; H224	On basis of test data
Repr. 1B; H360	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

- H224 Extremely flammable liquid and vapour.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- 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.
- H360 May damage fertility or the unborn child.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects .
- H413 May cause long lasting harmful effects to aquatic life .

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

16.2 Date of the latest revision of the SDS

Revision Date:	03/11/2025
Revision:	V5
Next Review Date:	03/11/2028