Water Stop

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 100001238
Issue date: 04/03/2008 Revision date: 15/05/2023 Supersedes version of: 07/09/2021 Version: 3.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Water Stop

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

1.2.1. Relevant identified uses

Intended for general public
Use of the substance/mixture : Coating

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal N.V.
Everdongenlaan 18-20
2300 Turnhout
Belgium
T +32 14 42 42 31 - F +32 14 42 65 14
sds@soudal.com - www.Soudal.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Militaire Reine Astrid	Rue Bruyn 1 1120 Brussels	+32 70 245 245	Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3	H226
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

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

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS09

Signal word (CLP) : Warning

Contains : hydrocarbons, C9, aromatics

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
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.
P271 - Use only outdoors or in a well-ventilated area.
P312 - Call a POISON CENTRE or doctor if you feel unwell.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.
EUH208 - Contains methyl methacrylate, n-butyl methacrylate. May produce an allergic reaction.

2.3. Other hazards

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

Component	
toluene (108-88-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
methyl methacrylate (80-62-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
n-butyl methacrylate (97-88-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
mesitylene (108-67-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
iron(II,III)oxide (1317-61-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
limestone (1317-65-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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 is 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

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
hydrocarbons, C9, aromatics	CAS-No.: 64742-95-6 EC-No.: 265-199-0 EC Index-No.: 649-356-00-4 REACH-no: 01-2119455851-35	≥ 25 – < 50	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
limestone substance with national workplace exposure limit(s) (BE)	CAS-No.: 1317-65-3 EC-No.: 215-279-6	≥ 10 – < 25	Not classified
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics substance with a Community workplace exposure limit	CAS-No.: 64742-48-9 EC-No.: 919-857-5 REACH-no: 01-2119463258-33	≥ 1 – < 5	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066
mesitylene substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit	CAS-No.: 108-67-8 EC-No.: 203-604-4 EC Index-No.: 601-025-00-5 REACH-no: 01-2119463878-19	< 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
toluene substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit	CAS-No.: 108-88-3 EC-No.: 203-625-9 EC Index-No.: 601-021-00-3 REACH-no: 01-2119471310-51	≥ 0,1 – < 1	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336
methyl methacrylate substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit	CAS-No.: 80-62-6 EC-No.: 201-297-1 EC Index-No.: 607-035-00-6 REACH-no: 01-2119452498-28	< 0.25	Flam. Liq. 2, H225 Skin Sens. 1, H317 Skin Irrit. 2, H315 STOT SE 3, H335
n-butyl methacrylate	CAS-No.: 97-88-1 EC-No.: 202-615-1 EC Index-No.: 607-033-00-5 REACH-no: 01-2119486394-28	< 0.25	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
mesitylene	CAS-No.: 108-67-8 EC-No.: 203-604-4 EC Index-No.: 601-025-00-5 REACH-no: 01-2119463878-19	(25 ≤ C ≤ 100) STOT SE 3, H335

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 : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : May cause drowsiness or dizziness.
Symptoms/effects after inhalation : May cause respiratory irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Store at room temperature. Protect from sunlight. Keep container tightly closed. Store locked up.

Incompatible products : Heat sources. Ignition sources.

Maximum storage period : ≈ 1 year

Packaging materials : Tin.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

toluene (108-88-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Toluene
IOEL TWA	192 mg/m³
IOEL TWA [ppm]	50 ppm
IOEL STEL	384 mg/m³
IOEL STEL [ppm]	100 ppm
Remark	Skin Skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC COMMISSION DIRECTIVE 2006/15/EC
Belgium - Occupational Exposure Limits	
Local name	Toluène # Tolueen
OEL TWA	77 mg/m³
OEL TWA [ppm]	20 ppm
OEL STEL	384 mg/m³
OEL STEL [ppm]	100 ppm

toluene (108-88-3)	
Remark	D: la mention “D” signifie que la résorption de l’agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l’exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l’agent dans l’air. # D: de vermelding “D” betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021

methyl methacrylate (80-62-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Methyl methacrylate
IOEL TWA [ppm]	50 ppm
IOEL STEL [ppm]	100 ppm
Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU COMMISSION DIRECTIVE 2009/161/EU
Belgium - Occupational Exposure Limits	
Local name	Méthacrylate de méthyle # Methylmethacrylaat
OEL TWA	208 mg/m³
OEL TWA [ppm]	50 ppm
OEL STEL	416 mg/m³
OEL STEL [ppm]	100 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021

mesitylene (108-67-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	100 mg/m³
IOEL TWA [ppm]	20 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	100 mg/m³
OEL TWA [ppm]	20 ppm

limestone (1317-65-3)	
Belgium - Occupational Exposure Limits	
Local name	Calcium (carbonate de) # Calciumcarbonaat
OEL TWA	10 mg/m³
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	White spirit Type 3
IOEL TWA	116 mg/m³
IOEL TWA [ppm]	20 ppm
IOEL STEL	290 mg/m³
IOEL STEL [ppm]	50 ppm

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Remark	Skin. (Year of adoption 2007)
Regulatory reference	SCOEL Recommendations

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

toluene (108-88-3)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	384 mg/m³
Acute - local effects, inhalation	384 mg/m³
Long-term - systemic effects, dermal	384 mg/kg bw/day
Long-term - systemic effects, inhalation	192 mg/m³
Long-term - local effects, inhalation	192 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	226 mg/m³
Acute - local effects, inhalation	226 mg/m³
Long-term - systemic effects,oral	8,13 mg/kg bw/day
Long-term - systemic effects, inhalation	56,5 mg/m³
Long-term - systemic effects, dermal	226 mg/kg bw/day
Long-term - local effects, inhalation	56,5 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,68 mg/l
PNEC aqua (marine water)	0,68 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	16,39 mg/kg dwt
PNEC sediment (marine water)	16,39 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,89 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	13,61 mg/l

hydrocarbons, C9, aromatics (64742-95-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	25 mg/kg bodyweight/day
Long-term - local effects, dermal	25 mg/kg bw/day
Long-term - systemic effects, inhalation	150 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	11 mg/kg bw/day

hydrocarbons, C9, aromatics (64742-95-6)	
Long-term - systemic effects, inhalation	32 mg/m³
Long-term - systemic effects, dermal	11 mg/kg bw/day

methyl methacrylate (80-62-6)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	1,5 mg/cm²
Acute - local effects, inhalation	416 mg/m³
Long-term - systemic effects, dermal	13,67 mg/kg bw/day
Long-term - local effects, dermal	1,5 mg/cm²
Long-term - systemic effects, inhalation	348,4 mg/m³
Long-term - local effects, inhalation	208 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, dermal	1,5 mg/cm²
Acute - local effects, inhalation	208 mg/m³
Long-term - systemic effects,oral	8,2 mg/kg bw/day
Long-term - systemic effects, inhalation	74,3 mg/m³
Long-term - systemic effects, dermal	8,2 mg/kg bw/day
Long-term - local effects, dermal	1,5 mg/cm²
Long-term - local effects, inhalation	104 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,94 mg/l
PNEC aqua (marine water)	0,094 mg/l
PNEC aqua (intermittent, freshwater)	0,94 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	10,2 mg/kg dwt
PNEC sediment (marine water)	0,102 mg/kg dwt
PNEC (Soil)	
PNEC soil	1,48 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

n-butyl methacrylate (97-88-1)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	1 % in mixture
Long-term - systemic effects, dermal	5 mg/kg bodyweight/day
Long-term - local effects, dermal	1 % in mixture
Long-term - systemic effects, inhalation	415,9 mg/m³
Long-term - local effects, inhalation	409 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, dermal	1 % in mixture

n-butyl methacrylate (97-88-1)	
Long-term - systemic effects, inhalation	66,5 mg/m³
Long-term - systemic effects, dermal	3 mg/kg bodyweight/day
Long-term - local effects, dermal	1 % in mixture
Long-term - local effects, inhalation	366,4 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,0169 mg/l
PNEC aqua (marine water)	0,00169 mg/l
PNEC aqua (intermittent, freshwater)	0,056 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	4,73 mg/kg dwt
PNEC sediment (marine water)	0,473 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,935 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	31,7 mg/l

mesitylene (108-67-8)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	100 mg/m³
Acute - local effects, inhalation	100 mg/m³
Long-term - systemic effects, dermal	16171 mg/kg bw/day
Long-term - systemic effects, inhalation	100 mg/m³
Long-term - local effects, inhalation	100 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	29,4 mg/m³
Acute - local effects, inhalation	29,4 mg/m³
Long-term - systemic effects,oral	15 mg/kg bw/day
Long-term - systemic effects, inhalation	29,4 mg/m³
Long-term - systemic effects, dermal	9512 mg/kg bw/day
Long-term - local effects, inhalation	29,4 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,101 mg/l
PNEC aqua (marine water)	0,101 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	7,86 mg/kg dwt
PNEC sediment (marine water)	7,86 mg/kg dwt
PNEC (Soil)	
PNEC soil	1,34 mg/kg dwt

mesitylene (108-67-8)	
PNEC (STP)	
PNEC sewage treatment plant	2,02 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Safety glasses (EN 166)

8.2.2.2. Skin protection

Skin and body protection:
Protective clothing (EN 14605 or EN 13034)

Hand protection:
Protective gloves against chemicals (EN 374)

8.2.2.3. Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Various colours.
Appearance	:	Liquid.
Odour	:	solvent-like.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not applicable
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	35 °C
Auto-ignition temperature	:	Not available

Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	53 mm²/s (40°C)
Viscosity, dynamic	:	65 Pa·s (40°C)
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	1,23 kg/l (20°C)
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 30 – 35 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

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)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

toluene (108-88-3)	
LD50 oral rat	5580 mg/kg bodyweight (Equivalent or similar to EU Method B.1, Rat, Male, Experimental value, Oral, 7 day(s))
LD50 dermal rabbit	> 5000 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal)
LC50 Inhalation - Rat	28,1 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours))

hydrocarbons, C9, aromatics (64742-95-6)	
LD50 dermal rabbit	> 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 6193 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:

methyl methacrylate (80-62-6)	
LD50 oral rat	9400 mg/kg bodyweight (Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	29,8 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 1 day(s))

mesitylene (108-67-8)	
LD50 oral rat	6000 mg/kg bodyweight (Equivalent or similar to EU Method B.1, Rat, Male, Read-across, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bw/day (24 h, Rat, Male / female, Read-across, Dermal)
LC50 Inhalation - Rat	> 10,2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation, 14 day(s))

limestone (1317-65-3)	
LD50 oral rat	6450 mg/kg (Rat, Literature study, Oral)

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation : Not classified

toluene (108-88-3)	
pH	No data available in the literature

methyl methacrylate (80-62-6)	
pH	No data available in the literature

n-butyl methacrylate (97-88-1)	
pH	No data available in the literature

limestone (1317-65-3)	
pH	8,5 – 9

Serious eye damage/irritation : Not classified

toluene (108-88-3)	
pH	No data available in the literature

methyl methacrylate (80-62-6)	
pH	No data available in the literature

n-butyl methacrylate (97-88-1)	
pH	No data available in the literature

limestone (1317-65-3)	
pH	8,5 – 9

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

toluene (108-88-3)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified
STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation.

toluene (108-88-3)	
STOT-single exposure	May cause drowsiness or dizziness.

hydrocarbons, C9, aromatics (64742-95-6)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

methyl methacrylate (80-62-6)	
STOT-single exposure	May cause respiratory irritation.

n-butyl methacrylate (97-88-1)	
STOT-single exposure	May cause respiratory irritation.

mesitylene (108-67-8)	
STOT-single exposure	May cause respiratory irritation.

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

toluene (108-88-3)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

hydrocarbons, C9, aromatics (64742-95-6)	
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

n-butyl methacrylate (97-88-1)	
LOAEC (inhalation, rat, gas, 90 days)	952 ppm Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
NOAEL (oral, rat, 90 days)	120 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified

Water Stop	
Viscosity, kinematic	53 mm²/s (40°C)

toluene (108-88-3)	
Viscosity, kinematic	No data available in the literature

methyl methacrylate (80-62-6)	
Viscosity, kinematic	No data available in the literature

n-butyl methacrylate (97-88-1)	
Viscosity, kinematic	1,06 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

mesitylene (108-67-8)	
Viscosity, kinematic	0,843 mm²/s (20 °C)

limestone (1317-65-3)	
Viscosity, kinematic	No data available in the literature

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
Viscosity, kinematic	1,33 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.
Not rapidly degradable

toluene (108-88-3)	
LC50 - Fish [1]	5,5 mg/l (96 h, Oncorhynchus kisutch, Flow-through system, Fresh water, Experimental value, Lethal)

hydrocarbons, C9, aromatics (64742-95-6)	
EC50 72h - Algae [1]	0,42 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0,29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

methyl methacrylate (80-62-6)	
LC50 - Fish [1]	> 100 mg/l (Pisces, Literature study)
EC50 - Crustacea [1]	69 mg/l (EPA OTS 797.1300, 48 h, Daphnia magna, Flow-through system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	> 110 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)
LOEC (chronic)	68 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	37 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	9,4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '35 d'

n-butyl methacrylate (97-88-1)	
LC50 - Fish [1]	11 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	5,57 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	32 mg/l Test organisms (species): Daphnia magna

n-butyl methacrylate (97-88-1)	
EC50 72h - Algae [1]	31,2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

mesitylene (108-67-8)	
LC50 - Fish [1]	12,52 mg/l (96 h, Carassius auratus, Flow-through system, Fresh water, Experimental value, Nominal concentration)
ErC50 algae	53 mg/l (DIN 38412-9, 48 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)

limestone (1317-65-3)	
LC50 - Fish [1]	> 10000 mg/l (96 h, Oncorhynchus mykiss, Literature study)
EC50 - Crustacea [1]	> 1000 mg/l (48 h, Daphnia magna, Literature study)
EC50 72h - Algae [1]	> 200 mg/l (Desmodesmus subspicatus, Literature study)

12.2. Persistence and degradability

toluene (108-88-3)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	2,15 g O_2/g substance
Chemical oxygen demand (COD)	2,52 g O_2/g substance
ThOD	3,13 g O_2/g substance

methyl methacrylate (80-62-6)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0,14 g O_2/g substance
ThOD	1,9 g O_2/g substance

n-butyl methacrylate (97-88-1)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2,36 g O_2/g substance

mesitylene (108-67-8)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0,0957 g O_2/g substance
Chemical oxygen demand (COD)	0,319 g O_2/g substance
ThOD	3,19 g O_2/g substance

limestone (1317-65-3)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative potential

toluene (108-88-3)	
BCF - Fish [1]	90 (3 day(s), Leuciscus idus, Static renewal, Fresh water, Experimental value, Fresh weight)

toluene (108-88-3)	
Partition coefficient n-octanol/water (Log Pow)	2,73 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

hydrocarbons, C9, aromatics (64742-95-6)	
Partition coefficient n-octanol/water (Log Pow)	2,1 – 6

methyl methacrylate (80-62-6)	
Partition coefficient n-octanol/water (Log Pow)	1,38 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

n-butyl methacrylate (97-88-1)	
Partition coefficient n-octanol/water (Log Pow)	2,99 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

mesitylene (108-67-8)	
BCF - Fish [1]	161 (Pimephales promelas, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3,42 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

limestone (1317-65-3)	
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4. Mobility in soil

toluene (108-88-3)	
Surface tension	27,73 mN/m (25 °C, 0.05 %)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2,3 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

methyl methacrylate (80-62-6)	
Surface tension	61 mN/m (OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0,94 – 1,86 (log Koc, EPA OTS 796.2750: Sediment and Soil Adsorption Isotherm, Experimental value, GLP)
Ecology - soil	Highly mobile in soil.

n-butyl methacrylate (97-88-1)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3,44 (log Koc, Calculated value)
Ecology - soil	Low potential for mobility in soil.

mesitylene (108-67-8)	
Surface tension	27,55 mN/m (25 °C, 100 vol %)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2,87 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.

limestone (1317-65-3)	
Ecology - soil	No (test)data on mobility of the substance available.

12.5. Results of PBT and vPvB assessment

Component	
toluene (108-88-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
methyl methacrylate (80-62-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
n-butyl methacrylate (97-88-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
mesitylene (108-67-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
iron(II,III)oxide (1317-61-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
limestone (1317-65-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Do not discharge into drains or the environment.
Additional information : Flammable vapours may accumulate in the container.
Ecology - waste materials : Avoid release to the environment.
European List of Waste (LoW) code : 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

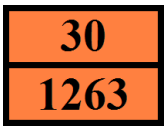
ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1263	UN 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name				
PAINT	PAINT	Paint	PAINT	PAINT

ADR	IMDG	IATA	ADN	RID
Transport document description				
UN 1263 PAINT, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (35°C c.c.)	UN 1263 Paint, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 163, 367, 650
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T2
Portable tank and bulk container special provisions (ADR) : TP1, TP29
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30
Orange plates :



Tunnel restriction code (ADR) : D/E

Transport by sea

Special provisions (IMDG) : 163, 223, 367, 955
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2
Tank special provisions (IMDG) : TP1, TP29

EmS-No. (Fire)	:	F-E
EmS-No. (Spillage)	:	S-E
Stowage category (IMDG)	:	A
Properties and observations (IMDG)	:	Miscibility with water depends upon the composition.

Air transport

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y344
PCA limited quantity max net quantity (IATA)	:	10L
PCA packing instructions (IATA)	:	355
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	366
CAO max net quantity (IATA)	:	220L
Special provisions (IATA)	:	A3, A72, A192
ERG code (IATA)	:	3L

Inland waterway transport

Classification code (ADN)	:	F1
Special provisions (ADN)	:	163, 367, 650
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01
Number of blue cones/lights (ADN)	:	0

Rail transport

Classification code (RID)	:	F1
Special provisions (RID)	:	163, 367, 650
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Special packing provisions (RID)	:	PP1
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T2
Portable tank and bulk container special provisions (RID)	:	TP1, TP29
Tank codes for RID tanks (RID)	:	LGBF
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE4
Hazard identification number (RID)	:	30

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

Contains no substance(s) 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)

POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : 30 – 35 %

Seveso Directive (Disaster Risk Reduction)

Seveso Additional information : E2; P5C

Explosives Precursors Regulation (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 (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)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	**Changed item**	**Change**	**Comments**
	according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878		
2		Modified	
3.2		Modified	

Abbreviations and acronyms:	
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)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association

Abbreviations and acronyms:	
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains methyl methacrylate, n-butyl methacrylate. May produce an allergic reaction.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.

Full text of H- and EUH-statements:	
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Flam. Liq. 3	H226	On basis of test data
STOT SE 3	H336	Calculation method
STOT SE 3	H335	Calculation method
Aquatic Chronic 2	H411	Calculation method

Safety Data Sheet (SDS), EU-2023-1

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.