

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

1.1. Product identifier

Product form : Mixture
Product name : Custom 8270 BNA Mix 2
Product code : AL0-130170
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Laboratory use
Industrial/Professional use spec : Industrial
For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Phenova
6390 Joyce Dr. Suite 100
80403 Golden, CO - United States
T 1-866-942-2978 - F 1-866-283-0269
info@phenova.com - www.phenova.com

1.4. Emergency telephone number

Emergency number : ChemTel Assistance (US/Canada) 1-800-255-3924
ChemTel Assistance (International) +1 813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Carc. 1B H350
Aquatic Chronic 3 H412

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc. Cat. 2; R45
F; R11
R52/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Danger
Hazard statements (CLP) : H350 - May cause cancer
H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP) : P403+P235 - Store in a well-ventilated place. Keep cool
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308+P313 - IF exposed or concerned: Get medical advice/attention
P370+P378 - In case of fire: Use media other than water to extinguish

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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

EUH-statements

: EUH208 - Contains aniline(62-53-3), 4-chloroaniline(106-47-8), 4-chloro-3-methylphenol(59-50-7). May produce an allergic reaction

No labelling applicable

2.3. Other hazards

No additional information available

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]
Methylene Chloride (Component)	(CAS-No.) 75-09-2 (EC-No.) 200-838-9 (EC Index-No.) 602-004-00-3	98.1	Carc. 2, H351
aniline (Component)	(CAS-No.) 62-53-3 (EC-No.) 200-539-3 (EC Index-No.) 612-008-00-7	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400
benzyl chloride, inhibited (Component)	(CAS-No.) 100-44-7 (EC-No.) 202-853-6 (EC Index-No.) 602-037-00-3	0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 1B, H350 STOT SE 3, H335 STOT RE 2, H373
4-chloroaniline (Component)	(CAS-No.) 106-47-8 (EC-No.) 203-401-0 (EC Index-No.) 612-137-00-9	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,4-dichlorophenol (Component)	(CAS-No.) 120-83-2 (EC-No.) 204-429-6 (EC Index-No.) 604-011-00-7	0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Aquatic Chronic 2, H411
2-chlorophenol (Component)	(CAS-No.) 95-57-8 (EC-No.) 202-433-2 (EC Index-No.) 604-008-00-0	0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411
4-chloro-3-methylphenol (Component)	(CAS-No.) 59-50-7 (EC-No.) 200-431-6 (EC Index-No.) 604-014-00-3	0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
3-Methylphenol (Component)	(CAS-No.) 108-39-4 (EC-No.) 203-577-9 (EC Index-No.) 604-004-00-9	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Aquatic Chronic 2, H411
4-Methylphenol (Component)	(CAS-No.) 106-44-5 (EC-No.) 203-398-6 (EC Index-No.) 604-004-00-9	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314
2,4-Dimethylphenol (Component)	(CAS-No.) 105-67-9 (EC-No.) 203-321-6 (EC Index-No.) 604-006-00-X	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Aquatic Chronic 2, H411
2-Nitroaniline (Component)	(CAS-No.) 88-74-4 (EC-No.) 201-855-4 (EC Index-No.) 612-012-00-9	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT RE 2, H373 Aquatic Chronic 3, H412
pentachlorobenzene (Component)	(CAS-No.) 608-93-5 (EC-No.) 210-172-0 (EC Index-No.) 602-074-00-5	0.1	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
3-Nitroaniline (Component)	(CAS-No.) 99-09-2 (EC-No.) 202-729-1 (EC Index-No.) 612-012-00-9	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT RE 2, H373 Aquatic Chronic 3, H412
2-Methylphenol (Component)	(CAS-No.) 95-48-7 (EC-No.) 202-423-8 (EC Index-No.) 604-004-00-9	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314
phenol (Component)	(CAS-No.) 108-95-2 (EC-No.) 203-632-7 (EC Index-No.) 604-001-00-2	0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Muta. 2, H341 STOT RE 2, H373
2,4,6-trichlorophenol (Component)	(CAS-No.) 88-06-2 (EC-No.) 201-795-9 (EC Index-No.) 604-018-00-5	0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,4,5-trichlorophenol (Component)	(CAS-No.) 95-95-4 (EC-No.) 202-467-8 (EC Index-No.) 604-017-00-X	0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,2,4,5-tetrachlorobenzene (Component)	(CAS-No.) 95-94-3 (EC-No.) 202-466-2	0.1	Aquatic Chronic 2, H411
1,2,3,4-tetrachlorobenzene (Component)	(CAS-No.) 634-66-2 (EC-No.) 211-214-0	0.1	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Name	Product identifier	Specific concentration limits	
aniline (Component)	(CAS-No.) 62-53-3 (EC-No.) 200-539-3 (EC Index-No.) 612-008-00-7	(0.2 =<C < 1) STOT RE 2, H373 (C >= 1) STOT RE 1, H372	
phenol (Component)	(CAS-No.) 108-95-2 (EC-No.) 203-632-7 (EC Index-No.) 604-001-00-2	(1 =<C < 3) Eye Irrit. 2, H319 (1 =<C < 3) Skin Irrit. 2, H315 (C >= 3) Skin Corr. 1B, H314	
2,4,5-trichlorophenol (Component)	(CAS-No.) 95-95-4 (EC-No.) 202-467-8 (EC Index-No.) 604-017-00-X	(C >= 5) Skin Irrit. 2, H315 (C >= 5) Eye Irrit. 2, H319	

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up in absorbent material. Collect spillage.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Hygiene measures : Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.
Incompatible materials : Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

aniline (62-53-3)		
Belgium	Limit value (mg/m ³)	7.7 mg/m ³ (Aniline et homologues; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	2 ppm (Aniline et homologues; Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m ³)	10 mg/m ³ (Aniline; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
France	VME (ppm)	2 ppm (Aniline; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	2 ppm (Aniline; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³ Aniline; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL TWA (ppm)	1 ppm Aniline; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
4-chloroaniline (106-47-8)		
Belgium	Limit value (mg/m ³)	7.7 mg/m ³ (Aniline et homologues; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	2 ppm (Aniline et homologues; Belgium; Time-weighted average exposure limit 8 h)
2-Methylphenol (95-48-7)		
EU	IOELV TWA (mg/m ³)	22 mg/m ³ (Cresols (all isomers); EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV TWA (ppm)	5 ppm (Cresols (all isomers); EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)

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2-Methylphenol (95-48-7)		
Belgium	Limit value (mg/m ³)	22 mg/m ³ (Crésols (tous isomères); Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	5 ppm (Crésols (tous isomères); Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m ³)	22 mg/m ³ (Crésols (tous isomères); France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
France	VME (ppm)	5 ppm (Crésols (tous isomères); France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	20 mg/m ³ (Cresol, all isomers; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor)
Netherlands	Grenswaarde TGG 8H (mg/m ³)	22 mg/m ³ (Kresol (alle isomeren); Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
3-Methylphenol (108-39-4)		
EU	IOELV TWA (mg/m ³)	22 mg/m ³ (Cresols (all isomers); EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV TWA (ppm)	5 ppm (Cresols (all isomers); EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
Belgium	Limit value (mg/m ³)	22 mg/m ³ (Crésols (tous isomères); Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	5 ppm (Crésols (tous isomères); Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m ³)	22 mg/m ³ (Crésols (tous isomères); France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
France	VME (ppm)	5 ppm (Crésols (tous isomères); France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	20 mg/m ³ (Cresol, all isomers; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor)
Netherlands	Grenswaarde TGG 8H (mg/m ³)	22 mg/m ³ (Kresol (alle isomeren); Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
4-Methylphenol (106-44-5)		
EU	IOELV TWA (mg/m ³)	22 mg/m ³ (Cresols (all isomers); EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV TWA (ppm)	5 ppm (Cresols (all isomers); EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
Belgium	Limit value (mg/m ³)	22 mg/m ³ (Crésols (tous isomères); Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	5 ppm (Crésols (tous isomères); Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m ³)	22 mg/m ³ (Crésols (tous isomères); France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
France	VME (ppm)	5 ppm (Crésols (tous isomères); France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	20 mg/m ³ (Cresol, all isomers; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor)
Netherlands	Grenswaarde TGG 8H (mg/m ³)	22 mg/m ³ (Kresol (alle isomeren); Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
2-Nitroaniline (88-74-4)		
Belgium	Limit value (mg/m ³)	7.7 mg/m ³ (Aniline et homologues; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	2 ppm (Aniline et homologues; Belgium; Time-weighted average exposure limit 8 h)

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3-Nitroaniline (99-09-2)		
Belgium	Limit value (mg/m ³)	7.7 mg/m ³ (Aniline et homologues; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	2 ppm (Aniline et homologues; Belgium; Time-weighted average exposure limit 8 h)
phenol (108-95-2)		
EU	IOELV TWA (mg/m ³)	8 mg/m ³ (Phenol; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV TWA (ppm)	2 ppm (Phenol; EU; Time-weighted average exposure limit 8 h; Indicative occupational exposure limit value)
EU	IOELV STEL (mg/m ³)	16 mg/m ³ (Phenol; EU; Short time value; Indicative occupational exposure limit value)
EU	IOELV STEL (ppm)	4 ppm (Phenol; EU; Short time value; Indicative occupational exposure limit value)
Belgium	Limit value (mg/m ³)	8 mg/m ³ (Phénol; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	2 ppm (Phénol; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Short time value (mg/m ³)	16 mg/m ³ (Phénol; Belgium; Short time value)
Belgium	Short time value (ppm)	4 ppm (Phénol; Belgium; Short time value)
France	VLE (mg/m ³)	15.6 mg/m ³ (Phénol; France; Short time value; VRC: Valeur réglementaire contraignante)
France	VLE (ppm)	4 ppm (Phénol; France; Short time value; VRC: Valeur réglementaire contraignante)
France	VME (mg/m ³)	7.8 mg/m ³ (Phénol; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)
France	VME (ppm)	2 ppm (Phénol; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	5 ppm (Phenol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Netherlands	Grenswaarde TGG 8H (mg/m ³)	8 mg/m ³ (Fenol; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Netherlands	Grenswaarde TGG 8H (ppm)	2 ppm (Fenol; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
United Kingdom	WEL TWA (mg/m ³)	7.8 mg/m ³ Phenol; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL TWA (ppm)	2 ppm Phenol; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (mg/m ³)	16 mg/m ³ Phenol; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (ppm)	4 ppm Phenol; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
Methylene Chloride (75-09-2)		
Belgium	Limit value (mg/m ³)	177 mg/m ³ (Chlorure de méthylène; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	50 ppm (Chlorure de méthylène; Belgium; Time-weighted average exposure limit 8 h)
France	VLE (mg/m ³)	356 mg/m ³ (Dichlorométhane; France; Short time value; VRC: Valeur réglementaire contraignante)
France	VLE (ppm)	100 ppm (Dichlorométhane; France; Short time value; VRC: Valeur réglementaire contraignante)
France	VME (mg/m ³)	178 mg/m ³ (Dichlorométhane; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)
France	VME (ppm)	50 ppm (Dichlorométhane; France; Time-weighted average exposure limit 8 h; VRC: Valeur réglementaire contraignante)
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	50 ppm (Dichloromethane (Methylene chloride); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)

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Methylene Chloride (75-09-2)		
United Kingdom	WEL TWA (mg/m ³)	350 mg/m ³ Dichloromethane; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL TWA (ppm)	100 ppm Dichloromethane; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (mg/m ³)	1060 mg/m ³ Dichloromethane; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (ppm)	300 ppm Dichloromethane; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)

8.2. Exposure controls

- Appropriate engineering controls : Either local exhaust or general room ventilation is usually required.
Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.



- Hand protection : Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration.
Eye protection : Chemical goggles or safety glasses. Safety glasses.
Skin and body protection : Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.
Respiratory protection : Wear appropriate mask.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
Colour : Colourless.
Odour : characteristic.
pH : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Non flammable
Relative density : No data available
Solubility : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

aniline (62-53-3)	
LD50 oral rat	250 mg/kg (Rat)
LD50 dermal rabbit	840 mg/kg (Rabbit; Experimental value; 21 CFR 191.10; 836 mg/kg bodyweight; Rabbit)
LC50 inhalation rat (mg/l)	3.27 mg/l/4h (Rat; Experimental value)
ATE CLP (oral)	250 mg/kg bodyweight
ATE CLP (dermal)	840 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	3.27 mg/l/4h
ATE CLP (dust,mist)	3.27 mg/l/4h
benzyl chloride, inhibited (100-44-7)	
LD50 oral rat	1230 mg/kg (Rat)
LC50 inhalation rat (mg/l)	0.74 mg/l/4h (Rat)
ATE CLP (oral)	1230 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	0.74 mg/l/4h
ATE CLP (dust,mist)	0.74 mg/l/4h
4-chloroaniline (106-47-8)	
LD50 oral rat	310 mg/kg (Rat)
LD50 dermal rabbit	360 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	2.34 mg/l/4h (Rat)
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	360 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	2.34 mg/l/4h
ATE CLP (dust,mist)	2.34 mg/l/4h
4-chloro-3-methylphenol (59-50-7)	
LD50 oral rat	1194 mg/kg (Rat)
LC50 inhalation rat (mg/l)	> 0.7 mg/l/4h (Rat)
ATE CLP (oral)	1194 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
2-chlorophenol (95-57-8)	
LD50 oral rat	670 mg/kg bodyweight (Rat; Literature study)
ATE CLP (oral)	670 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
2,4-dichlorophenol (120-83-2)	
LD50 dermal rat	780 mg/kg bodyweight (Rat; Weight of evidence; OECD 402: Acute Dermal Toxicity)
ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (dermal)	780 mg/kg bodyweight
2,4-Dimethylphenol (105-67-9)	
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight
2-Methylphenol (95-48-7)	
LD50 oral rat	121 mg/kg (Rat)
LD50 dermal rat	620 mg/kg (Rat)
LD50 dermal rabbit	890 mg/kg (Rabbit)
ATE CLP (oral)	121 mg/kg bodyweight
ATE CLP (dermal)	620 mg/kg bodyweight

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3-Methylphenol (108-39-4)	
LD50 oral rat	242 mg/kg (Rat)
LD50 dermal rat	1100 mg/kg (Rat)
LD50 dermal rabbit	2050 mg/kg (Rabbit)
ATE CLP (oral)	242 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight
4-Methylphenol (106-44-5)	
LD50 oral rat	207 mg/kg (Rat; Experimental value)
LD50 dermal rabbit	301 mg/kg (Rabbit)
ATE CLP (oral)	207 mg/kg bodyweight
ATE CLP (dermal)	301 mg/kg bodyweight
2-Nitroaniline (88-74-4)	
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	3 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h
3-Nitroaniline (99-09-2)	
LD50 oral rat	535 mg/kg (Rat)
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	3 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h
pentachlorobenzene (608-93-5)	
LD50 oral rat	1080 mg/kg (Rat)
ATE CLP (oral)	1080 mg/kg bodyweight
phenol (108-95-2)	
LD50 oral rat	650 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rat	660 mg/kg (Rat; Experimental value; Equivalent or similar to OECD 402)
LD50 dermal rabbit	850 - 1400 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	0.32 mg/l/4h (Rat; Literature study)
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	660 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	0.32 mg/l/4h
ATE CLP (dust,mist)	0.32 mg/l/4h
1,2,3,4-tetrachlorobenzene (634-66-2)	
LD50 oral rat	1167 mg/kg (Rat)
ATE CLP (oral)	1167 mg/kg bodyweight
1,2,4,5-tetrachlorobenzene (95-94-3)	
LD50 oral rat	3105 mg/kg (Rat)
ATE CLP (oral)	3105 mg/kg bodyweight
2,4,5-trichlorophenol (95-95-4)	
LD50 oral rat	820 mg/kg (Rat)
ATE CLP (oral)	820 mg/kg bodyweight
2,4,6-trichlorophenol (88-06-2)	
LD50 oral rat	820 mg/kg (Rat; Literature study)
ATE CLP (oral)	820 mg/kg bodyweight
Methylene Chloride (75-09-2)	
LD50 oral rat	> 2000 mg/kg (Rat; Literature study)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Literature study)

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met

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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
Carcinogenicity	: May cause cancer. May cause cancer
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

benzyl chloride, inhibited (100-44-7)	
LC50 fish 2	4 mg/l (LC50; 96 h)
EC50 Daphnia 2	6.1 mg/l (EC50; 48 h)
Threshold limit algae 1	50 mg/l (EC0; 192 h)
4-chloroaniline (106-47-8)	
EC50 Daphnia 1	0.31 mg/l (EC50; 48 h)
LC50 fish 2	11 mg/l (LC50; 96 h; <i>Salmo gairdneri</i>)
4-chloro-3-methylphenol (59-50-7)	
LC50 fish 2	0.917 mg/l (LC50; 96 h)
EC50 Daphnia 2	2 mg/l (EC50; 48 h)
Threshold limit algae 1	4.2 mg/l (EC50; 72 h)
2-chlorophenol (95-57-8)	
LC50 fish 1	2.6 mg/l (LC50; 96 h; <i>Salmo gairdneri</i>)
EC50 Daphnia 1	7.4 mg/l (EC50; 48 h; <i>Daphnia magna</i>)
Threshold limit algae 2	70 mg/l (EC50; 72 h; Algae)
2,4-dichlorophenol (120-83-2)	
EC50 Daphnia 2	1.3 - 5.1 mg/l (EC50; 48 h; <i>Daphnia magna</i>)
2,4-Dimethylphenol (105-67-9)	
LC50 fish 1	7.8 mg/l (LC50; 96 h)
EC50 Daphnia 1	2.1 mg/l (EC50; 48 h)
Threshold limit algae 2	32 mg/l (EC50; 72 h)
2-Methylphenol (95-48-7)	
EC50 other aquatic organisms 1	65 mg/l (96 h; <i>Selenastrum capricornutum</i>)
LC50 fish 2	7.9 - 8.4 mg/l (LC50; 96 h)
EC50 Daphnia 2	5 - 9.5 mg/l (EC50; 48 h)
3-Methylphenol (108-39-4)	
LC50 fish 1	8.9 mg/l (LC50; 96 h; <i>Salmo gairdneri</i>)
EC50 Daphnia 1	8.9 mg/l (EC50; 24 h)
Threshold limit algae 1	15 mg/l (EC0; 192 h)
4-Methylphenol (106-44-5)	
LC50 fish 2	7.5 mg/l (LC50; 96 h)
EC50 Daphnia 2	1.4 - 21.1 mg/l (EC50; 48 h)
Threshold limit algae 2	21 mg/l (EC50; 48 h)
2-Nitroaniline (88-74-4)	
EC50 Daphnia 1	10 - 18 mg/l (EC50; OECD 202: <i>Daphnia sp.</i> Acute Immobilisation Test; 48 h; <i>Daphnia magna</i>)
LC50 fish 2	10 - 22 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; <i>Brachydanio rerio</i>)

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3-Nitroaniline (99-09-2)	
LC50 fish 2	134.31 mg/l (LC50; 96 h)
phenol (108-95-2)	
LC50 other aquatic organisms 1	0.04 mg/l (4 days; Rana sp.; LC50)
EC50 Daphnia 2	6.6 mg/l (EC50; 48 h; Daphnia magna; Static system)
1,2,3,4-tetrachlorobenzene (634-66-2)	
LC50 fish 1	0.365 mg/l (LC50; 96 h)
EC50 Daphnia 1	0.091 mg/l (EC50)
EC50 other aquatic organisms 1	1.9 mg/l
2,4,5-trichlorophenol (95-95-4)	
LC50 fish 1	0.45 mg/l (LC50; 96 h; Lepomis macrochirus)
EC50 Daphnia 1	0.9 - 2.7 mg/l (EC50; 48 h)
2,4,6-trichlorophenol (88-06-2)	
LC50 fish 1	0.73 mg/l (LC50; 96 h; Salmo gairdneri)
EC50 Daphnia 2	0.69 mg/l (EC50; 48 h; Daphnia magna)
Threshold limit algae 2	3.5 mg/l (EC50; 96 h; Selenastrum capricornutum)
Methylene Chloride (75-09-2)	
LC50 fish 1	193 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 1	168.2 mg/l (EC50; 48 h)

12.2. Persistence and degradability

Custom 8270 BNA Mix 2	
Persistence and degradability	May cause long-term adverse effects in the environment.
aniline (62-53-3)	
Persistence and degradability	Readily biodegradable in water. Photodegradation in water. Inhibition of nitrification. Biodegradable in the soil. Low potential for adsorption in soil.
BOD (% of ThOD)	0.62
benzyl chloride, inhibited (100-44-7)	
Persistence and degradability	Readily biodegradable in water.
4-chloroaniline (106-47-8)	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water. Photooxidation in water. Non degradable in the soil. Photolysis in the air.
4-chloro-3-methylphenol (59-50-7)	
Persistence and degradability	Biodegradable in water.
Chemical oxygen demand (COD)	1.5 - 1.8 g O ₂ /g substance
2-chlorophenol (95-57-8)	
Persistence and degradability	Not readily biodegradable in water. Inherently biodegradable. Biodegradable in the soil.
2,4-dichlorophenol (120-83-2)	
Persistence and degradability	Not readily biodegradable in water. Inherently biodegradable. Biodegradable in the soil. No (test)data on mobility of the substance available.
2-Methylphenol (95-48-7)	
Persistence and degradability	Readily biodegradable in water. Photodegradation in the air.
Biochemical oxygen demand (BOD)	1.69 - 1.74 g O ₂ /g substance
Chemical oxygen demand (COD)	2.38 g O ₂ /g substance
ThOD	2.52 g O ₂ /g substance
BOD (% of ThOD)	0.65
3-Methylphenol (108-39-4)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.
Biochemical oxygen demand (BOD)	1.7 g O ₂ /g substance
Chemical oxygen demand (COD)	2.4 g O ₂ /g substance
ThOD	2.52 g O ₂ /g substance
BOD (% of ThOD)	0.68
4-Methylphenol (106-44-5)	
Persistence and degradability	Readily biodegradable in water. Photolysis in the air.
Biochemical oxygen demand (BOD)	1.45 g O ₂ /g substance
Chemical oxygen demand (COD)	2.4 g O ₂ /g substance
ThOD	2.52 g O ₂ /g substance

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4-Methylphenol (106-44-5)	
BOD (% of ThOD)	0.57
2-Nitroaniline (88-74-4)	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. Photolysis in the air.
3-Nitroaniline (99-09-2)	
Persistence and degradability	Not readily biodegradable in water.
pentachlorobenzene (608-93-5)	
Persistence and degradability	Not readily biodegradable in water. Biodegradability in soil: no data available.
phenol (108-95-2)	
Persistence and degradability	Readily biodegradable in water. Photolysis in water. Readily biodegradable in the soil. Inhibits biodegradation processes in the soil. Low potential for adsorption in soil. Photooxidation in the air.
Biochemical oxygen demand (BOD)	1.68 g O ₂ /g substance
Chemical oxygen demand (COD)	2.28 g O ₂ /g substance
ThOD	2.38 g O ₂ /g substance
BOD (% of ThOD)	0.71
1,2,3,4-tetrachlorobenzene (634-66-2)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Adsorbs into the soil.
1,2,4,5-tetrachlorobenzene (95-94-3)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Adsorbs into the soil.
2,4,5-trichlorophenol (95-95-4)	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil.
2,4,6-trichlorophenol (88-06-2)	
Persistence and degradability	Readily biodegradable in water. Readily biodegradable in the soil. No (test)data on mobility of the substance available.
Methylene Chloride (75-09-2)	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil.

12.3. Bioaccumulative potential

Custom 8270 BNA Mix 2	
Bioaccumulative potential	Not established.
aniline (62-53-3)	
BCF fish 2	2.6 (BCF; Danio rerio; Static system)
Log Pow	0.91 (Experimental value; EU Method A.8: Partition Coefficient; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
benzyl chloride, inhibited (100-44-7)	
BCF other aquatic organisms 1	5.7 ppm (BCF; 24 h; Lamellibranchiata)
BCF other aquatic organisms 2	3.1 - 4.2 ppm (BCF; 24 h; Lamellibranchiata)
Log Pow	2.3 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
4-chloroaniline (106-47-8)	
BCF fish 1	< 20 (BCF; 72 h)
BCF fish 2	0.8 - 1.7 (BCF; 336 h)
BCF other aquatic organisms 1	260 (BCF; 24 h; Chlorella sp.)
Log Pow	1.76 - 1.83
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
4-chloro-3-methylphenol (59-50-7)	
BCF fish 1	5.5 - 13 (BCF)
Log Pow	2.78 - 3.10
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
2-chlorophenol (95-57-8)	
BCF fish 2	14 - 29 (BCF; 6 weeks; Cyprinus carpio)
Log Pow	2.15 (Literature)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
2,4-dichlorophenol (120-83-2)	
BCF fish 1	7.1 - 69 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 8 weeks; Cyprinus carpio; Fresh water)
Log Pow	3 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method)

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2,4-dichlorophenol (120-83-2)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
2,4-Dimethylphenol (105-67-9)	
BCF fish 1	150 (BCF; 672 h; Lepomis macrochirus)
Log Pow	2.2 - 2.5
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
2-Methylphenol (95-48-7)	
Log Pow	1.5 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
3-Methylphenol (108-39-4)	
BCF fish 1	20 (BCF; 72 h)
BCF fish 2	10.7 (BCF)
BCF other aquatic organisms 1	4900 (BCF; 24 h)
Log Pow	1.96 - 2.01 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
4-Methylphenol (106-44-5)	
BCF fish 1	4 (BCF)
Log Pow	1.97 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
2-Nitroaniline (88-74-4)	
BCF fish 1	2.1 - 4.9 (BCF)
BCF fish 2	8.1 (BCF; 24 h; Brachydanio rerio)
Log Pow	1.44 - 1.83
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
3-Nitroaniline (99-09-2)	
BCF fish 1	< 1.1/<10,BCF
Log Pow	1.37
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
pentachlorobenzene (608-93-5)	
BCF fish 1	3000 (BCF; 72 h)
BCF fish 2	6840 (BCF)
BCF other aquatic organisms 1	16000 (BCF)
BCF other aquatic organisms 2	4000 (BCF; 24 h)
Log Pow	4.88 - 5.69
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
phenol (108-95-2)	
Log Pow	1.47 (Experimental value; Equivalent or similar to OECD 117; 30 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
1,2,3,4-tetrachlorobenzene (634-66-2)	
BCF fish 1	5200 (BCF)
BCF fish 2	489 - 1710 (BCF)
BCF other aquatic organisms 1	> 5012 (BCF)
Log Pow	4.46 - 5.02
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
1,2,4,5-tetrachlorobenzene (95-94-3)	
BCF fish 1	13000 (BCF)
BCF fish 2	1650 - 4830 (BCF)
BCF other aquatic organisms 1	> 5012 (BCF)
Log Pow	4.5 - 4.98
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
2,4,5-trichlorophenol (95-95-4)	
BCF fish 1	62 (BCF)
BCF fish 2	121 - 825 (BCF)
Log Pow	3.06 - 4.19
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
2,4,6-trichlorophenol (88-06-2)	
BCF fish 2	12130 (BCF; 36 days; Poecilia reticulata)

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2,4,6-trichlorophenol (88-06-2)	
Log Pow	3.4 - 4.05 (Literature)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
Methylene Chloride (75-09-2)	
BCF fish 1	2 - 40 (BCF)
Log Pow	1.25 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

aniline (62-53-3)	
Surface tension	0.071 N/m (20 °C; 0.042 N/m; 25 °C; 0.039 N/m; 50 °C; 0.037 N/m; 75 °C)
Log Koc	Koc,130; Experimental value; GLP
benzyl chloride, inhibited (100-44-7)	
Surface tension	0.038 N/m (20 °C)
4-chloroaniline (106-47-8)	
Ecology - soil	Soil contaminant.
2-chlorophenol (95-57-8)	
Surface tension	0.042 N/m (13 °C)
2-Methylphenol (95-48-7)	
Surface tension	0.04 N/m (20 °C)
3-Methylphenol (108-39-4)	
Surface tension	0.04 N/m (20 °C)
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
4-Methylphenol (106-44-5)	
Surface tension	0.041 N/m (40 °C)
phenol (108-95-2)	
Surface tension	0.0713 N/m (20 °C)
Methylene Chloride (75-09-2)	
Surface tension	0.028 N/m (20 °C)
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 2810
UN-No. (IATA) : 2810
UN-No. (IMDG) : 2810
UN-No. (ADN) : 2810

14.2. UN proper shipping name

Proper Shipping Name (ADR) : TOXIC LIQUID, ORGANIC, N.O.S.
Proper Shipping Name (IATA) : Toxic liquid, organic, n.o.s.
Proper Shipping Name (IMDG) : TOXIC LIQUID, ORGANIC, N.O.S.
Proper Shipping Name (ADN) : TOXIC LIQUID, ORGANIC, N.O.S.
Transport document description (ADR) : UN 2810 TOXIC LIQUID, ORGANIC, N.O.S., 6.1, III, (E)

14.3. Packing group

Class (ADR) : 6.1
Classification code (ADR) : T1

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Class (IATA) : 6.1
Class (IMDG) : 6.1
Class (ADN) : 6.1
Classification code (ADN) : T1
Danger labels (ADR) : 6.1



Division (IATA) : 6.1
Hazard labels (IATA) : 6.1



Danger labels (IMDG) : 6.1



Danger labels (ADN) : 6.1



14.4. Packing group

Packing group (ADR) : III
Packing group (IATA) : III
Packing group (IMDG) : III
Packing group (ADN) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 60
Classification code (ADR) : T1
Orange plates :



Special provisions (ADR) : 274, 614
Transport category (ADR) : 2
Tunnel restriction code (ADR) : E
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
EAC code : 2X
APP code : B

14.6.2. Transport by sea

Special provisions (IMDG) : 223, 274
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP1, TP28
EmS-No. (Fire) : F-A

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EmS-No. (Spillage) : S-A
Stowage category (IMDG) : A
Properties and observations (IMDG) : Toxic if swallowed, by skin contact or by inhalation.

14.6.3. Air transport

CAO packing instructions (IATA) : 663
CAO max net quantity (IATA) : 220L
PCA packing instructions (IATA) : 655
PCA Limited quantities (IATA) : Y642
PCA limited quantity max net quantity (IATA) : 2L
PCA max net quantity (IATA) : 60L
PCA Excepted quantities (IATA) : E1
Special provisions (IATA) : A3, A4, A137
ERG code (IATA) : 6L

14.6.4. Inland waterway transport

Special provisions (ADN) : 274, 614, 802
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP, TOX, A
Ventilation (ADN) : VE02
Number of blue cones/lights (ADN) : 0
Carriage prohibited (ADN) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Water hazard class (WGK) : 3 - severe hazard to waters

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information : None.

PHV SDS EU

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