

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Custom 8260 Calibration Mix  
Product code : AL0-130113  
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](mailto:info@phenova.com) - [www.phenova.com](http://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]

Flam. Liq. 1	H224
Acute Tox. 3 (Oral)	H301
Acute Tox. 3 (Dermal)	H311
Eye Irrit. 2	H319
Skin Sens. 1	H317
Muta. 1B	H340
Carc. 1A	H350
STOT SE 1	H370
STOT RE 2	H373
Aquatic Chronic 2	H411
Ozone 1	H420

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

Carc.Cat.1; R45  
Muta.Cat.2; R46  
F+; R12  
T; R23/24/25  
T; R39/23/24/25  
Xn; R48/20  
R43  
N; R51/53  
N; R59  
R19

Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

H224 - Extremely flammable liquid and vapour  
H301+H311 - Toxic if swallowed or in contact with skin  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H340 - May cause genetic defects  
H350 - May cause cancer  
H370 - Causes damage to organs  
H373 - May cause damage to organs through prolonged or repeated exposure  
H411 - Toxic to aquatic life with long lasting effects  
H420 - Harms public health and the environment by destroying ozone in the upper atmosphere

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P270 - Do not eat, drink or smoke when using this product  
P273 - Avoid release to the environment  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse  
P391 - Collect spillage  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

EUH-statements :

EUH019 - May form explosive peroxides

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]
methanol (Component)	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	76.4995	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
iodomethane (Component)	(CAS-No.) 74-88-4 (EC-No.) 200-819-5 (EC Index-No.) 602-005-00-9	1.25	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Carc. 2, H351 STOT SE 3, H335 Aquatic Acute 1, H400

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
allyl chloride (Component)	(CAS-No.) 107-05-1 (EC-No.) 203-457-6 (EC Index-No.) 602-029-00-X	1.25	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 2, H341 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400
acrylonitrile, inhibited (Component)	(CAS-No.) 107-13-1 (EC-No.) 203-466-5 (EC Index-No.) 608-003-00-4	1.25	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 3, H335 Aquatic Chronic 2, H411
methyl acetate (Component)	(CAS-No.) 79-20-9 (EC-No.) 201-185-2 (EC Index-No.) 607-021-00-X	1.25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-methyl-2-butanol (Component)	(CAS-No.) 75-85-4 (EC-No.) 200-908-9 (EC Index-No.) 603-007-00-2	1.25	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT SE 3, H335 Skin Irrit. 2, H315
bromodichloromethane (Component)	(CAS-No.) 75-27-4 (EC-No.) 200-856-7	0.25	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335
bromoform (Component)	(CAS-No.) 75-25-2 (EC-No.) 200-854-6 (EC Index-No.) 602-007-00-X	0.25	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
1,2-dibromo-3-chloropropane (Component)	(CAS-No.) 96-12-8 (EC-No.) 202-479-3 (EC Index-No.) 602-021-00-6	0.25	Acute Tox. 3 (Oral), H301 Muta. 1B, H340 Carc. 1B, H350 Repr. 1A, H360F STOT RE 2, H373 Aquatic Chronic 3, H412
1,2-Dibromoethane (Component)	(CAS-No.) 106-93-4 (EC-No.) 203-444-5 (EC Index-No.) 602-010-00-6	0.25	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 1B, H350 STOT SE 3, H335 Aquatic Chronic 2, H411
chloroform (Component)	(CAS-No.) 67-66-3 (EC-No.) 200-663-8 (EC Index-No.) 602-006-00-4	0.25	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Repr. 2, H361d STOT RE 1, H372
benzene (Component)	(CAS-No.) 71-43-2 (EC-No.) 200-753-7 (EC Index-No.) 601-020-00-8	0.25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 1B, H340 Carc. 1A, H350 STOT RE 1, H372 Asp. Tox. 1, H304
o-xylene (Component) substance with a Community workplace exposure limit	(CAS-No.) 95-47-6 (EC-No.) 202-422-2 (EC Index-No.) 601-022-00-9	0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
m-xylene (Component) substance with a Community workplace exposure limit	(CAS-No.) 108-38-3 (EC-No.) 203-576-3 (EC Index-No.) 601-022-00-9	0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315
p-xylene (Component) substance with a Community workplace exposure limit	(CAS-No.) 106-42-3 (EC-No.) 203-396-5 (EC Index-No.) 601-022-00-9	0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315

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toluene (Component)	(CAS-No.) 108-88-3 (EC-No.) 203-625-9 (EC Index-No.) 601-021-00-3	0.25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
ethylbenzene (Component) substance with a Community workplace exposure limit	(CAS-No.) 100-41-4 (EC-No.) 202-849-4 (EC Index-No.) 601-023-00-4	0.25	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
chlorobenzene (Component)	(CAS-No.) 108-90-7 (EC-No.) 203-628-5 (EC Index-No.) 602-033-00-1	0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
1,2,3-trichloropropane (Component) substance listed as REACH Candidate	(CAS-No.) 96-18-4 (EC-No.) 202-486-1 (EC Index-No.) 602-062-00-X	0.25	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Carc. 1B, H350 Repr. 1B, H360F
1,2-dichlorobenzene (Component)	(CAS-No.) 95-50-1 (EC-No.) 202-425-9 (EC Index-No.) 602-034-00-7	0.25	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,3-dichlorobenzene (Component)	(CAS-No.) 541-73-1 (EC-No.) 208-792-1 (EC Index-No.) 602-067-00-7	0.25	Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411
1,4-dichlorobenzene (Component)	(CAS-No.) 106-46-7 (EC-No.) 203-400-5 (EC Index-No.) 602-035-00-2	0.25	Eye Irrit. 2, H319 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,3-dichloropropene, trans- (Component)	(CAS-No.) 10061-02-6	0.25	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
cis-1,3-Dichloropropene (Component)	(CAS-No.) 10061-01-5 (EC-No.) 233-195-8 (EC Index-No.) 602-030-00-5	0.25	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Methylene Chloride (Component)	(CAS-No.) 75-09-2 (EC-No.) 200-838-9 (EC Index-No.) 602-004-00-3	0.25	Carc. 2, H351
1,1,1-trichloroethane (Component)	(CAS-No.) 71-55-6 (EC-No.) 200-756-3 (EC Index-No.) 602-013-00-2	0.25	Acute Tox. 4 (Inhalation), H332 Ozone 1, H420
1,1,2-trichloroethane (Component)	(CAS-No.) 79-00-5 (EC-No.) 201-166-9 (EC Index-No.) 602-014-00-8	0.25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351
1,2-dichloroethane (Component) substance listed as REACH Candidate substance listed in REACH Annex XIV (1,2-dichloroethane (EDC))	(CAS-No.) 107-06-2 (EC-No.) 203-458-1 (EC Index-No.) 602-012-00-7	0.25	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 1B, H350 STOT SE 3, H335
trichloroethylene (Component) substance listed as REACH Candidate substance listed in REACH Annex XIV	(CAS-No.) 79-01-6 (EC-No.) 201-167-4 (EC Index-No.) 602-027-00-9	0.25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H336 Aquatic Chronic 3, H412

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carbon tetrachloride (Component)	(CAS-No.) 56-23-5 (EC-No.) 200-262-8 (EC Index-No.) 602-008-00-5	0.25	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Carc. 2, H351 STOT RE 1, H372 Aquatic Chronic 3, H412 Ozone 1, H420
1,1-dichloroethene (Component)	(CAS-No.) 75-35-4 (EC-No.) 200-864-0 (EC Index-No.) 602-025-00-8	0.25	Flam. Liq. 1, H224 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351
1,1-dichloroethane (Component) substance with a Community workplace exposure limit	(CAS-No.) 75-34-3 (EC-No.) 200-863-5 (EC Index-No.) 602-011-00-1	0.25	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412
1,2,4-trichlorobenzene (Component)	(CAS-No.) 120-82-1 (EC-No.) 204-428-0 (EC Index-No.) 602-087-00-6	0.25	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-chlorotoluene (Component)	(CAS-No.) 95-49-8 (EC-No.) 202-424-3 (EC Index-No.) 602-040-00-X	0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411
4-chlorotoluene (Component)	(CAS-No.) 106-43-4 (EC-No.) 203-397-0 (EC Index-No.) 602-040-00-X	0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
sec-butylbenzene (Component)	(CAS-No.) 135-98-8 (EC-No.) 205-227-0	0.25	Flam. Liq. 3, H226 Aquatic Chronic 2, H411
1,2,4-trimethylbenzene (Component)	(CAS-No.) 95-63-6 (EC-No.) 202-436-9 (EC Index-No.) 601-043-00-3	0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
butylbenzene (Component)	(CAS-No.) 104-51-8 (EC-No.) 203-209-7	0.25	Flam. Liq. 3, H226 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
4-Isopropyltoluene (Component)	(CAS-No.) 99-87-6 (EC-No.) 202-796-7	0.25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
1,3,5-trimethylbenzene (Component)	(CAS-No.) 108-67-8 (EC-No.) 203-604-4 (EC Index-No.) 601-025-00-5	0.25	Flam. Liq. 3, H226 STOT SE 3, H335 Aquatic Chronic 2, H411
hexachlorobuta-1,3-diene (Component)	(CAS-No.) 87-68-3 (EC-No.) 201-765-5	0.25	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,2,3-trichlorobenzene (Component)	(CAS-No.) 87-61-6 (EC-No.) 201-757-1	0.25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
naphthalene (Component)	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2	0.25	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,1,2,2-tetrachloroethane (Component)	(CAS-No.) 79-34-5 (EC-No.) 201-197-8 (EC Index-No.) 602-015-00-3	0.25	Acute Tox. 3 (Oral), H301 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Aquatic Chronic 2, H411
n-propylbenzene (Component)	(CAS-No.) 103-65-1 (EC-No.) 203-132-9 (EC Index-No.) 601-024-00-X	0.25	Flam. Liq. 3, H226 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
1,1,1,2-tetrachloroethane (Component)	(CAS-No.) 630-20-6 (EC-No.) 211-135-1	0.25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Dam. 1, H318 Carc. 2, H351
Bromobenzene (Component)	(CAS-No.) 108-86-1 (EC-No.) 203-623-8 (EC Index-No.) 602-060-00-9	0.25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Aquatic Chronic 2, H411

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styrene (Component)	(CAS-No.) 100-42-5 (EC-No.) 202-851-5 (EC Index-No.) 601-026-00-0	0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT RE 1, H372
Isopropylbenzene (Component)	(CAS-No.) 98-82-8 (EC-No.) 202-704-5 (EC Index-No.) 601-024-00-X	0.25	Flam. Liq. 3, H226 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
bromochloromethane (Component)	(CAS-No.) 74-97-5 (EC-No.) 200-826-3	0.25	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Ozone
dibromomethane (Component)	(CAS-No.) 74-95-3 (EC-No.) 200-824-2 (EC Index-No.) 602-003-00-8	0.25	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 3, H412
1,1-dichloropropene (Component)	(CAS-No.) 563-58-6 (EC-No.) 209-253-3 (EC Index-No.) 602-031-00-0	0.25	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Aquatic Chronic 3, H412
tetrachloroethylene (Component)	(CAS-No.) 127-18-4 (EC-No.) 204-825-9 (EC Index-No.) 602-028-00-4	0.25	Carc. 2, H351 Aquatic Chronic 2, H411
tert-Butyl Methyl Ether (MTBE) (Component) substance with a Community workplace exposure limit	(CAS-No.) 1634-04-4 (EC-No.) 216-653-1 (EC Index-No.) 603-181-00-X	0.25	Flam. Liq. 2, H225 Skin Irrit. 2, H315
diethyl ether (Component) substance with a Community workplace exposure limit	(CAS-No.) 60-29-7 (EC-No.) 200-467-2 (EC Index-No.) 603-022-00-4	0.25	Flam. Liq. 1, H224 Acute Tox. 4 (Oral), H302 STOT SE 3, H336
1-methylnaphthalene (Component)	(CAS-No.) 90-12-0 (EC-No.) 201-966-8	0.25	Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411
2-methylnaphthalene (Component)	(CAS-No.) 91-57-6 (EC-No.) 202-078-3	0.25	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
1,1,2-trichloro-1,2,2-trifluoroethane (Component)	(CAS-No.) 76-13-1 (EC-No.) 200-936-1	0.25	Aquatic Chronic 2, H411 Ozone
carbon disulfide (Component)	(CAS-No.) 75-15-0 (EC-No.) 200-843-6 (EC Index-No.) 006-003-00-3	0.25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361fd STOT RE 1, H372
hexane (Component)	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index-No.) 601-037-00-0	0.25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
tetrahydrofuran (Component)	(CAS-No.) 109-99-9 (EC-No.) 203-726-8 (EC Index-No.) 603-025-00-0	0.25	Flam. Liq. 2, H225 Acute Tox. 1 (Oral), H300 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335
heptane (Component)	(CAS-No.) 142-82-5 (EC-No.) 205-563-8 (EC Index-No.) 601-008-00-2	0.25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
cyclohexane (Component)	(CAS-No.) 110-82-7 (EC-No.) 203-806-2 (EC Index-No.) 601-017-00-1	0.25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2,4-trimethylpentane (Component)	(CAS-No.) 540-84-1 (EC-No.) 208-759-1 (EC Index-No.) 601-009-00-8	0.25	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
methylcyclohexane (Component)	(CAS-No.) 108-87-2 (EC-No.) 203-624-3 (EC Index-No.) 601-018-00-7	0.25	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411

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1,2,3-trimethylbenzene (Component) substance with a Community workplace exposure limit	(CAS-No.) 526-73-8 (EC-No.) 208-394-8	0.0005	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Name	Product identifier	Specific concentration limits	
methanol (Component)	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	( 3 =<C < 10) STOT SE 2, H371 (C >= 10) STOT SE 1, H370	
carbon tetrachloride (Component)	(CAS-No.) 56-23-5 (EC-No.) 200-262-8 (EC Index-No.) 602-008-00-5	( 0.2 =<C < 1) STOT RE 2, H373 (C >= 1) STOT RE 1, H372	
1,3,5-trimethylbenzene (Component)	(CAS-No.) 108-67-8 (EC-No.) 203-604-4 (EC Index-No.) 601-025-00-5	(C >= 25) STOT SE 3, H335	
carbon disulfide (Component)	(CAS-No.) 75-15-0 (EC-No.) 200-843-6 (EC Index-No.) 006-003-00-3	( 0.2 =<C < 1) STOT RE 2, H373 (C >= 1) STOT RE 1, H372 (C >= 1) Repr. 2, H361fd	
hexane (Component)	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index-No.) 601-037-00-0	(C >= 5) STOT RE 2, H373	
tetrahydrofuran (Component)	(CAS-No.) 109-99-9 (EC-No.) 203-726-8 (EC Index-No.) 603-025-00-0	(C >= 25) Eye Irrit. 2, H319 (C >= 25) STOT SE 3, H335	

### 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. Call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Immediately call a POISON CENTER or doctor/physician.

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

- Symptoms/effects after inhalation : May cause an allergic skin reaction. May cause cancer by inhalation.
- Symptoms/effects after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
- Symptoms/effects after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

#### 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

- Fire hazard : Extremely flammable liquid and vapour.
- Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form explosive peroxides.

#### 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. DO NOT fight fire when fire reaches explosives. Evacuate area.
- 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. Avoid breathing dust/fume/gas/mist/vapours/spray.

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

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Hazardous waste due to potential risk of explosion.

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. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Keep away from sources of ignition - No smoking.

Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep in fireproof place. Keep container tightly closed. Keep container tightly closed and in a well-ventilated place. Keep away from any flames or sparking source.

Incompatible products : Oxidizing agent.

Incompatible materials : Direct sunlight. Heat sources.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>benzene (71-43-2)</b>		
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	25 ppm
<b>chlorobenzene (108-90-7)</b>		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	75 mppcf
<b>1,4-dichlorobenzene (106-46-7)</b>		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	450 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	75 ppm
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	675 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (STEL) (ppm)	110 ppm

#### 8.2. Exposure controls

Appropriate engineering controls : Either local exhaust or general room ventilation is usually required.

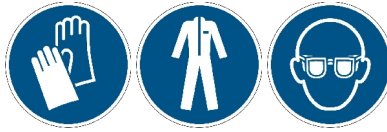


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Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.



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 : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

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) : Extremely flammable liquid and vapour  
Relative density : No data available  
Solubility : No data available  
Explosive properties : May form explosive peroxides.  
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

Extremely flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

#### 10.3. Possibility of hazardous reactions

Reacts vigorously with strong oxidizers and acids.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Sparks. Heat. Overheating. Open flame.

#### 10.5. Incompatible materials

Oxidizing agent.

#### 10.6. Hazardous decomposition products

May release flammable gases. May form explosive peroxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin.

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ATE CLP (oral)	108.1039633072 mg/kg bodyweight
ATE CLP (dermal)	303.1162336402 mg/kg bodyweight

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<b>bromodichloromethane (75-27-4)</b>	
LD50 oral rat	916 mg/kg (Rat)
ATE CLP (oral)	916 mg/kg bodyweight
<b>bromoform (75-25-2)</b>	
LD50 oral rat	933 mg/kg (Rat)
ATE CLP (oral)	933 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
<b>chloroform (67-66-3)</b>	
LD50 oral rat	695 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 908 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value; 1117 mg/kg bodyweight; Rat)
LD50 dermal rabbit	> 20000 mg/kg (Rabbit; No reliable data available; >3980 mg/kg bodyweight; Rabbit)
ATE CLP (oral)	695 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
<b>1,2-dibromo-3-chloropropane (96-12-8)</b>	
LD50 oral rat	170 mg/kg (Rat)
ATE CLP (oral)	170 mg/kg bodyweight
<b>1,2-Dibromoethane (106-93-4)</b>	
LD50 oral rat	108 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value; 140 mg/kg bodyweight; Rat)
LD50 dermal rat	300 mg/kg (Rat)
LD50 dermal rabbit	300 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (ppm)	> 200 ppm/4h (Rat; Experimental value)
ATE CLP (oral)	108 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
<b>1,2,3-trichloropropane (96-18-4)</b>	
LD50 oral rat	442 mg/kg (Rat)
LD50 dermal rabbit	850 mg/kg (Rabbit)
ATE CLP (oral)	442 mg/kg bodyweight
ATE CLP (dermal)	850 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
<b>benzene (71-43-2)</b>	
LD50 oral rat	> 930 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; > 2000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 8240 mg/kg (Rabbit; Experimental value; 21 CFR 191.10; > 9.4; Rabbit)
LC50 inhalation rat (mg/l)	43.767 mg/l/4h (Rat; Experimental value)
LC50 inhalation rat (ppm)	13700 ppm/4h (Rat; Experimental value)
ATE CLP (gases)	13700 ppmv/4h
ATE CLP (vapours)	43.767 mg/l/4h
ATE CLP (dust,mist)	43.767 mg/l/4h
<b>ethylbenzene (100-41-4)</b>	
LD50 oral rat	3500 mg/kg (Rat; Other; Experimental value)
LD50 dermal rabbit	15415 mg/kg (Rabbit; Literature study; Other; 15432 mg/kg; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	17.8 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	4000 ppm/4h (Rat; Literature study)
ATE CLP (oral)	3500 mg/kg bodyweight
ATE CLP (dermal)	15415 mg/kg bodyweight
ATE CLP (gases)	4000 ppmv/4h
ATE CLP (vapours)	17.8 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h

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<b>toluene (108-88-3)</b>	
LD50 oral rat	> 2000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	12223 mg/kg (Rabbit; Literature study; Other; >5000 mg/kg bodyweight; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat; Literature study)
ATE CLP (dermal)	12223 mg/kg bodyweight
<b>m-xylene (108-38-3)</b>	
LD50 oral rat	5011 - 6630 mg/kg (Rat)
ATE CLP (oral)	5011 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
<b>o-xylene (95-47-6)</b>	
LD50 oral rat	3608 mg/kg (Rat)
ATE CLP (oral)	3608 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
<b>p-xylene (106-42-3)</b>	
LD50 oral rat	4030 mg/kg (Rat)
LC50 inhalation rat (mg/l)	20 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	4740 ppm/4h (Rat)
ATE CLP (oral)	4030 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	4740 ppmv/4h
ATE CLP (vapours)	20 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>chlorobenzene (108-90-7)</b>	
LD50 oral rat	> 1427 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value; >2000 mg/kg bodyweight; Rat)
LD50 dermal rat	> 2000 mg/kg (Rat; Literature study)
LD50 dermal rabbit	> 2200 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	17 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	3630 ppm/4h (Rat)
ATE CLP (gases)	3630 ppmv/4h
ATE CLP (vapours)	17 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>1,2-dichlorobenzene (95-50-1)</b>	
LD50 oral rat	500 mg/kg (Rat)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	9.5 mg/l/4h (Rat)
ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (vapours)	9.5 mg/l/4h
ATE CLP (dust,mist)	9.5 mg/l/4h
<b>1,3-dichlorobenzene (541-73-1)</b>	
LD50 oral rat	580 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LC50 inhalation rat (mg/l)	> 17.6 mg/l/4h (Rat; Literature study)
ATE CLP (oral)	580 mg/kg bodyweight
<b>1,4-dichlorobenzene (106-46-7)</b>	
LD50 dermal rat	> 6000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (Rat)
<b>Methylene Chloride (75-09-2)</b>	
LD50 oral rat	> 2000 mg/kg (Rat; Literature study)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Literature study)

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<b>1,1-dichloroethane (75-34-3)</b>	
LD50 oral rat	725 mg/kg (Rat; Literature study)
LD50 dermal rabbit	> 2348 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	54 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	13000 ppm/4h (Rat; Literature study)
ATE CLP (oral)	725 mg/kg bodyweight
ATE CLP (gases)	13000 ppmv/4h
ATE CLP (vapours)	54 mg/l/4h
ATE CLP (dust,mist)	54 mg/l/4h
<b>1,1-dichloroethene (75-35-4)</b>	
LD50 oral rat	200 - 1500 mg/kg (Rat)
LC50 inhalation rat (mg/l)	25.6 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	6350 ppm/4h (Rat)
ATE CLP (oral)	200 mg/kg bodyweight
ATE CLP (gases)	6350 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>1,2-dichloroethane (107-06-2)</b>	
LD50 oral rat	770 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	2800 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	7.758 mg/l/4h (Rat; Experimental value)
LC50 inhalation rat (ppm)	1886 ppm/4h (Rat; Experimental value)
ATE CLP (oral)	770 mg/kg bodyweight
ATE CLP (dermal)	2800 mg/kg bodyweight
ATE CLP (gases)	1886 ppmv/4h
ATE CLP (vapours)	7.758 mg/l/4h
ATE CLP (dust,mist)	7.758 mg/l/4h
<b>cis-1,3-Dichloropropene (10061-01-5)</b>	
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	300 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
<b>1,3-dichloropropene, trans- (10061-02-6)</b>	
ATE CLP (oral)	100 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
<b>1,1,1-trichloroethane (71-55-6)</b>	
LD50 oral rat	9600 mg/kg (Rat)
LD50 dermal rabbit	> 15800 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	99 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	18400 ppm/4h (Rat)
ATE CLP (oral)	9600 mg/kg bodyweight
ATE CLP (gases)	18400 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>1,1,2-trichloroethane (79-00-5)</b>	
LD50 oral rat	836 mg/kg (Rat; Literature study)
LD50 dermal rabbit	5377 mg/kg (Rabbit; Literature study; OECD 402: Acute Dermal Toxicity; 5380 mg/kg bodyweight; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	7.8 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	1413 ppm/4h (Rat; Literature study)
ATE CLP (oral)	836 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	1413 ppmv/4h
ATE CLP (vapours)	7.8 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h

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<b>trichloroethylene (79-01-6)</b>	
LD50 oral rat	4920 mg/kg (Rat)
LD50 dermal rabbit	> 20000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	66 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	12000 ppm/4h (Rat)
ATE CLP (oral)	4920 mg/kg bodyweight
ATE CLP (gases)	12000 ppmv/4h
ATE CLP (vapours)	66 mg/l/4h
ATE CLP (dust,mist)	66 mg/l/4h
<b>carbon tetrachloride (56-23-5)</b>	
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
<b>1,1,2,2-tetrachloroethane (79-34-5)</b>	
LD50 oral rat	250 mg/kg (Rat; Literature study)
LD50 dermal rabbit	3990 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	8.6 mg/l/4h (Rat; Literature study)
ATE CLP (oral)	250 mg/kg bodyweight
ATE CLP (dermal)	5 mg/kg bodyweight
ATE CLP (gases)	100 ppmv/4h
ATE CLP (vapours)	8.6 mg/l/4h
ATE CLP (dust,mist)	0.05 mg/l/4h
<b>tetrachloroethylene (127-18-4)</b>	
LD50 oral rat	> 2000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 3835 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Experimental value; 3005 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 3000 mg/kg (Rabbit; Literature study; >10000 mg/kg bodyweight; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	27.58 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	3786 ppm/4h (Rat; Experimental value)
ATE CLP (gases)	3786 ppmv/4h
ATE CLP (vapours)	27.58 mg/l/4h
ATE CLP (dust,mist)	27.58 mg/l/4h
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LD50 oral rat	> 5000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature; 6000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat	> 3440 mg/kg (Rat; Read-across; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	18 mg/l/4h (Rat)
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	18 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>1,3,5-trimethylbenzene (108-67-8)</b>	
LD50 oral rat	6000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Read-across)
LD50 dermal rat	> 2000 mg/kg bw/day (Rat; Read-across; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	24 mg/l/4h (Rat; Literature study)
ATE CLP (oral)	6000 mg/kg bodyweight
ATE CLP (vapours)	24 mg/l/4h
ATE CLP (dust,mist)	24 mg/l/4h
<b>naphthalene (91-20-3)</b>	
LD50 oral rat	> 1100 mg/kg (Rat)
LD50 dermal rat	> 2500 mg/kg (Rat)
LD50 dermal rabbit	> 20000 mg/kg (Rabbit)
ATE CLP (oral)	500 mg/kg bodyweight
<b>bromochloromethane (74-97-5)</b>	
LD50 oral rat	5000 mg/kg (Rat)
LD50 dermal rabbit	> 20000 mg/kg (Rabbit)
ATE CLP (oral)	5000 mg/kg bodyweight

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<b>bromochloromethane (74-97-5)</b>	
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>dibromomethane (74-95-3)</b>	
LD50 oral rat	108 mg/kg (Rat)
LD50 dermal rabbit	> 4000 mg/kg (Rabbit)
ATE CLP (oral)	108 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
<b>1,1-dichloropropene (563-58-6)</b>	
ATE CLP (oral)	100 mg/kg bodyweight
<b>1,1,1,2-tetrachloroethane (630-20-6)</b>	
LD50 oral rat	670 mg/kg (Rat; Literature study)
LD50 dermal rabbit	20000 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	14 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	2100 ppm/4h (Rat; Literature study)
ATE CLP (oral)	670 mg/kg bodyweight
ATE CLP (dermal)	20000 mg/kg bodyweight
ATE CLP (gases)	2100 ppmv/4h
ATE CLP (vapours)	14 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>1,2,3-trichlorobenzene (87-61-6)</b>	
LD50 oral rat	1800 mg/kg (Rat)
ATE CLP (oral)	1800 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
<b>1,2,4-trichlorobenzene (120-82-1)</b>	
LD50 oral rat	756 mg/kg (Rat)
LD50 dermal rat	6139 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 4.1 mg/l/4h (Rat)
ATE CLP (oral)	756 mg/kg bodyweight
ATE CLP (dermal)	6139 mg/kg bodyweight
<b>2-chlorotoluene (95-49-8)</b>	
LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rat	> 1083 mg/kg (Rat)
LD50 dermal rabbit	> 7940 mg/kg (Rabbit)
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>4-chlorotoluene (106-43-4)</b>	
LD50 oral rat	2100 mg/kg (Rat)
LD50 dermal rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
ATE CLP (oral)	2100 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
<b>hexachlorobuta-1,3-diene (87-68-3)</b>	
LD50 oral rat	90 mg/kg (Rat)
LD50 dermal rabbit	1211 mg/kg (Rabbit)
ATE CLP (oral)	90 mg/kg bodyweight
ATE CLP (dermal)	1211 mg/kg bodyweight
<b>4-Isopropyltoluene (99-87-6)</b>	
LD50 oral rat	4750 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	28 mg/l/4h (Rat)

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<b>4-Isopropyltoluene (99-87-6)</b>	
LC50 inhalation rat (ppm)	5000 ppm/4h (Rat)
ATE CLP (oral)	4750 mg/kg bodyweight
ATE CLP (gases)	5000 ppmv/4h
ATE CLP (vapours)	28 mg/l/4h
ATE CLP (dust,mist)	28 mg/l/4h
<b>Isopropylbenzene (98-82-8)</b>	
LD50 oral rat	> 2000 mg/kg (Rat; Other; Literature study; 4000 mg/kg bodyweight; Rat; Other; Inconclusive, insufficient data)
LD50 dermal rabbit	10578 mg/kg (Rabbit; Literature study; Other)
LC50 inhalation rat (mg/l)	40 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	8000 ppm/4h (Rat; Literature study)
ATE CLP (dermal)	10578 mg/kg bodyweight
ATE CLP (gases)	8000 ppmv/4h
ATE CLP (vapours)	40 mg/l/4h
ATE CLP (dust,mist)	40 mg/l/4h
<b>Bromobenzene (108-86-1)</b>	
LD50 oral rat	2383 mg/kg (Rat)
ATE CLP (oral)	2383 mg/kg bodyweight
<b>n-propylbenzene (103-65-1)</b>	
LD50 oral rat	6040 mg/kg (Rat; Literature study)
ATE CLP (oral)	6040 mg/kg bodyweight
<b>butylbenzene (104-51-8)</b>	
LD50 oral rat	> 5000 mg/kg (Rat)
<b>sec-butylbenzene (135-98-8)</b>	
LD50 oral rat	6300 mg/kg (Rat)
LD50 dermal rabbit	> 13000 mg/kg (Rabbit)
ATE CLP (oral)	6300 mg/kg bodyweight
<b>styrene (100-42-5)</b>	
LD50 oral rat	5000 mg/kg (Rat; Literature study; >6000 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rat	2820 mg/kg (Rat; Literature study; OECD 402: Acute Dermal Toxicity; >2000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	5010 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	12 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	2770 ppm/4h (Rat; Literature study)
ATE CLP (oral)	5000 mg/kg bodyweight
ATE CLP (dermal)	2820 mg/kg bodyweight
ATE CLP (gases)	2770 ppmv/4h
ATE CLP (vapours)	12 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>tert-Butyl Methyl Ether (MTBE) (1634-04-4)</b>	
LD50 oral rat	4000 mg/kg (Rat)
LD50 dermal rat	> 6800 mg/kg (Rat)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	23576 ppm/4h (Rat)
ATE CLP (oral)	4000 mg/kg bodyweight
ATE CLP (gases)	23576 ppmv/4h
ATE CLP (vapours)	85 mg/l/4h
ATE CLP (dust,mist)	85 mg/l/4h
<b>diethyl ether (60-29-7)</b>	
LD50 oral rat	1215 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 1600 mg/kg bodyweight; Rat)
LD50 dermal rabbit	> 14200 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	99 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	32000 ppm/4h (Rat)
ATE CLP (oral)	1215 mg/kg bodyweight
ATE CLP (gases)	32000 ppmv/4h
ATE CLP (vapours)	99 mg/l/4h

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<b>diethyl ether (60-29-7)</b>	
ATE CLP (dust,mist)	99 mg/l/4h
<b>1,1,2-trichloro-1,2,2-trifluoroethane (76-13-1)</b>	
LD50 oral rat	43000 mg/kg (Rat)
LD50 dermal rabbit	> 11000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	300 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	38500 ppm/4h (Rat)
ATE CLP (oral)	43000 mg/kg bodyweight
ATE CLP (gases)	38500 ppmv/4h
ATE CLP (vapours)	300 mg/l/4h
ATE CLP (dust,mist)	300 mg/l/4h
<b>1-methylnaphthalene (90-12-0)</b>	
LD50 oral rat	1840 mg/kg (Rat; Literature study)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit; Literature study)
ATE CLP (oral)	1840 mg/kg bodyweight
<b>2-methylnaphthalene (91-57-6)</b>	
LD50 oral rat	1630 mg/kg (Rat)
ATE CLP (oral)	1630 mg/kg bodyweight
<b>hexane (110-54-3)</b>	
LD50 oral rat	16000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	> 3350 mg/kg bodyweight (Rabbit; Read-across; Equivalent or similar to OECD 402)
ATE CLP (oral)	16000 mg/kg bodyweight
<b>heptane (142-82-5)</b>	
LD50 oral rat	> 15000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 3160 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >2000 mg/kg bodyweight; Rabbit; Read-across)
LC50 inhalation rat (mg/l)	103 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	25000 ppm/4h (Rat; Literature study)
ATE CLP (gases)	25000 ppmv/4h
ATE CLP (vapours)	103 mg/l/4h
ATE CLP (dust,mist)	103 mg/l/4h
<b>cyclohexane (110-82-7)</b>	
LD50 oral rat	> 12705 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value; >5000 mg/kg bodyweight; Rat)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	> 19.07 mg/l/4h (Rat; Experimental value)
LC50 inhalation rat (ppm)	> 5540 ppm/4h (Rat)
<b>methylcyclohexane (108-87-2)</b>	
LD50 oral rat	> 5840 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Read-across)
LD50 dermal rat	> 2800 mg/kg bodyweight (Rat; Read-across)
LD50 dermal rabbit	86700 mg/kg (Rabbit; Literature study)
<b>2,2,4-trimethylpentane (540-84-1)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	> 33.52 mg/l/4h (Rat; Experimental value)
<b>tetrahydrofuran (109-99-9)</b>	
LD50 oral rat	2.3 - 3.6 (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 1650 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	54 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	18200 ppm/4h (Rat; Literature study)
ATE CLP (oral)	2.3 mg/kg bodyweight
ATE CLP (gases)	18200 ppmv/4h
ATE CLP (vapours)	54 mg/l/4h
ATE CLP (dust,mist)	54 mg/l/4h
<b>carbon disulfide (75-15-0)</b>	
LD50 oral rat	3188 mg/kg (Rat)
ATE CLP (oral)	3188 mg/kg bodyweight



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<b>allyl chloride (107-05-1)</b>	
LD50 oral rat	425 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 275-455 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value; 379 - 419 mg/kg bodyweight; Rat)
LD50 dermal rabbit	2066 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 398 mg/kg bodyweight; Rabbit)
LC50 inhalation rat (mg/l)	6.7 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	2100 ppm/4h (Rat)
ATE CLP (oral)	425 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	2100 ppmv/4h
ATE CLP (vapours)	6.7 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
<b>iodomethane (74-88-4)</b>	
LD50 oral rat	7984 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 131,98 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	401 mg/l/4h (Rat; Calculated value; 1,3 mg/l/4h; Rat)
LC50 inhalation rat (ppm)	691 ppm/4h (Rat; Experimental value)
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	691 ppmv/4h
ATE CLP (vapours)	3 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h
<b>acrylonitrile, inhibited (107-13-1)</b>	
LD50 oral rat	78 mg/kg (Rat)
LD50 dermal rat	148 mg/kg (Rat)
LD50 dermal rabbit	63 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	0.72 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	333 ppm/4h (Rat)
ATE CLP (oral)	78 mg/kg bodyweight
ATE CLP (dermal)	63 mg/kg bodyweight
ATE CLP (gases)	333 ppmv/4h
ATE CLP (vapours)	0.72 mg/l/4h
ATE CLP (dust,mist)	0.72 mg/l/4h
<b>methyl acetate (79-20-9)</b>	
LD50 oral rat	6970 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 6482 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat	> 2000 mg/kg (Rat; Literature study; OECD 402: Acute Dermal Toxicity; >2000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	> 20 mg/l/4h (Rat; Literature study)
<b>methanol (67-56-1)</b>	
LD50 oral rat	> 5000 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rabbit	15800 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	64000 ppm/4h (Rat; Literature study)
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

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation. Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: May cause genetic defects.

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Carcinogenicity	: May cause cancer. May cause cancer
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
STOT-single exposure	: Causes damage to organs.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Toxic if swallowed. Toxic in contact with skin.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - air	: Dangerous for the ozone layer.
Ecology - water	: Toxic to aquatic life with long lasting effects.

<b>bromoform (75-25-2)</b>	
LC50 fish 2	7.1 mg/l (LC50; 96 h)
EC50 Daphnia 2	7.2 - 46 mg/l (EC50; 48 h)
<b>chloroform (67-66-3)</b>	
LC50 fish 1	18.2 ppm (LC50; ASTM; 96 h; Oncorhynchus mykiss; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 2	152.5 mg/l (EC50; US EPA; 48 h; Daphnia magna; Static system; Salt water; Experimental value)
<b>1,2-dibromo-3-chloropropane (96-12-8)</b>	
LC50 fish 2	20 mg/l (LC50; 48 h)
<b>1,2-Dibromoethane (106-93-4)</b>	
EC50 Daphnia 1	40 mg/l (EC50; 3 h)
LC50 fish 2	4.8 mg/l (LC50; 48 h)
Threshold limit algae 1	4 mg/l (EC50; 168 h)
Threshold limit algae 2	> 4.48 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
<b>1,2,3-trichloropropane (96-18-4)</b>	
EC50 Daphnia 1	35.4 mg/l (EC50; 48 h)
LC50 fish 2	75 mg/l (LC50; 96 h; Lepomis macrochirus)
Threshold limit algae 1	170 mg/l (EC50; 3 h)
<b>benzene (71-43-2)</b>	
LC50 fish 1	5.3 mg/l (LC50; 96 h; Salmo gairdneri)
EC50 Daphnia 2	10 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
Threshold limit algae 1	100 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
<b>ethylbenzene (100-41-4)</b>	
LC50 fish 2	4.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri; Semi-static system; Fresh water; Experimental value)
<b>m-xylene (108-38-3)</b>	
EC50 Daphnia 1	4.7 mg/l (EC50; 48 h)
LC50 fish 2	8.4 mg/l (LC50; 96 h)
<b>o-xylene (95-47-6)</b>	
EC50 other aquatic organisms 1	4.7 mg/l (72 h; Selenastrum capricornutum; Growth)
LC50 fish 2	8.05 mg/l (LC50; 96 h)
EC50 Daphnia 2	3.2 mg/l (EC50; 48 h)
<b>p-xylene (106-42-3)</b>	
LC50 fish 1	2.6 mg/l (LC50; 96 h)
EC50 Daphnia 2	1.4 mg/l (EC50; 48 h)
<b>chlorobenzene (108-90-7)</b>	
LC50 fish 2	4.7 mg/l (LC50; 96 h)
EC50 Daphnia 2	0.59 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)

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<b>1,2-dichlorobenzene (95-50-1)</b>	
LC50 fish 1	1.58 mg/l (LC50; 96 h)
EC50 Daphnia 2	0.74 mg/l (EC50; 48 h)
<b>1,3-dichlorobenzene (541-73-1)</b>	
LC50 fish 1	1.61 mg/l (LC50; 96 h)
EC50 Daphnia 1	1.2 mg/l (EC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
<b>1,4-dichlorobenzene (106-46-7)</b>	
LC50 fish 2	1.12 mg/l (LC50; 96 h; Salmo gairdneri)
EC50 Daphnia 2	0.7 mg/l (EC50; 48 h)
<b>Methylene Chloride (75-09-2)</b>	
LC50 fish 1	193 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 1	168.2 mg/l (EC50; 48 h)
<b>1,1-dichloroethene (75-35-4)</b>	
EC50 Daphnia 1	11.6 - 79 mg/l (EC50; 48 h)
LC50 fish 2	74 - 220 mg/l (LC50; 96 h; Lepomis macrochirus)
<b>1,2-dichloroethane (107-06-2)</b>	
EC50 Daphnia 1	155 - 220 mg/l (EC50; 48 h)
LC50 fish 2	225 mg/l (LC50; 96 h; Salmo gairdneri)
<b>1,1,1-trichloroethane (71-55-6)</b>	
LC50 fish 1	40 mg/l (LC50; 96 h; Lepomis macrochirus)
EC50 Daphnia 2	2384 mg/l (EC50; 48 h)
<b>1,1,2-trichloroethane (79-00-5)</b>	
LC50 fish 2	40 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	77.8 mg/l (EC50; 48 h; Daphnia magna)
Threshold limit algae 1	200 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value)
<b>trichloroethylene (79-01-6)</b>	
LC50 fish 1	40.7 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 2	20.8 mg/l (EC50; 48 h)
<b>carbon tetrachloride (56-23-5)</b>	
LC50 fish 1	27 mg/l (LC50; 96 h; Lepomis macrochirus)
EC50 Daphnia 1	29 mg/l (EC50; 48 h)
Threshold limit algae 1	> 600 mg/l (EC0; 168 h)
<b>1,1,2,2-tetrachloroethane (79-34-5)</b>	
EC50 Daphnia 1	9.32 mg/l (EC50; 48 h; Daphnia magna; Static system)
LC50 fish 2	20.3 ppm (LC50; 96 h; Pimephales promelas; Flow-through system)
Threshold limit algae 1	136 mg/l (EC50; 96 h; Selenastrum capricornutum)
<b>tetrachloroethylene (127-18-4)</b>	
EC50 Daphnia 1	8.5 mg/l (EC50; ASTM; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	3.64 mg/l (EC50; Other; 72 h; Chlamydomonas angulosa; Fresh water)
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LC50 fish 1	7.72 mg/l (LC50; 96 h; Pimephales promelas; Flow-through system; Fresh water)
EC50 Daphnia 1	3.6 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	2.356 mg/l (EC50; ECOSAR; 96 h; Algae; Fresh water)
<b>1,3,5-trimethylbenzene (108-67-8)</b>	
EC50 Daphnia 1	6 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	25 mg/l (EC50; DIN 38412-9; 48 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)
<b>naphthalene (91-20-3)</b>	
EC50 Daphnia 1	2.16 mg/l (EC50; 48 h; Daphnia magna)
LC50 fish 2	0.11 mg/l (LC50; 96 h; Oncorhynchus mykiss)
Threshold limit algae 1	0.4 mg/l (EC50; 72 h; Skeletonema costatum)

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<b>bromochloromethane (74-97-5)</b>	
LC50 fish 1	338 mg/l (LC50; 48 h)
<b>1,1,1,2-tetrachloroethane (630-20-6)</b>	
LC50 fish 1	16 - 24 mg/l (LC50; 96 h; <i>Lepomis macrochirus</i> ; Static system)
EC50 Daphnia 1	17 - 30 mg/l (EC50; 48 h; <i>Daphnia magna</i> )
<b>1,2,3-trichlorobenzene (87-61-6)</b>	
LC50 fish 1	7.05 mg/l (LC50; 96 h)
EC50 Daphnia 2	2.72 mg/l (EC50; 48 h)
<b>1,2,4-trichlorobenzene (120-82-1)</b>	
LC50 fish 1	1.32 mg/l (LC50; 96 h)
EC50 Daphnia 1	0.86 mg/l (EC50; 48 h)
<b>2-chlorotoluene (95-49-8)</b>	
EC50 Daphnia 1	20 - 74 mg/l (EC50; 24 h)
LC50 fish 2	2.3 mg/l (LC50; 96 h; <i>Salmo gairdneri</i> )
<b>4-chlorotoluene (106-43-4)</b>	
EC50 Daphnia 1	0.18 mg/l (EC50; 48 h)
LC50 fish 2	5.2 mg/l (LC50; 48 h)
Threshold limit algae 1	> 100 mg/l (EC50; 192 h)
<b>hexachlorobuta-1,3-diene (87-68-3)</b>	
LC50 fish 2	0.25 mg/l (LC50; 96 h)
EC50 other aquatic organisms 2	0.21 mg/l (96 h; <i>Lymnaea</i> sp.)
Threshold limit algae 2	> 25 mg/l (EC0)
<b>4-Isopropyltoluene (99-87-6)</b>	
LC50 fish 1	48 ppm (LC50; 96 h; <i>Cyprinodon variegatus</i> )
EC50 Daphnia 1	6.5 mg/l (EC50; 48 h)
<b>Isopropylbenzene (98-82-8)</b>	
EC50 Daphnia 1	2.14 mg/l (EC50; OECD 202: <i>Daphnia</i> sp. Acute Immobilisation Test; 48 h; <i>Daphnia magna</i> ; Static system; Fresh water; Experimental value)
<b>Bromobenzene (108-86-1)</b>	
LC50 fish 1	6.8 mg/l (LC50; 48 h)
<b>n-propylbenzene (103-65-1)</b>	
LC50 fish 1	1.55 mg/l (LC50; 96 h; <i>Salmo gairdneri</i> )
EC50 Daphnia 1	2 mg/l (EC50; 24 h; <i>Daphnia magna</i> )
Threshold limit algae 2	1.8 mg/l (EC50; 72 h; <i>Selenastrum capricornutum</i> )
<b>butylbenzene (104-51-8)</b>	
EC50 Daphnia 1	0.34 mg/l (EC50; 48 h)
<b>tert-Butyl Methyl Ether (MTBE) (1634-04-4)</b>	
LC50 fish 1	672 - 706 mg/l (LC50; 96 h; <i>Pimephales promelas</i> )
EC50 Daphnia 1	651 mg/l (EC50; OECD 202: <i>Daphnia</i> sp. Acute Immobilisation Test; 48 h; <i>Daphnia magna</i> )
<b>diethyl ether (60-29-7)</b>	
LC50 fish 2	2560 mg/l (LC50; 96 h; <i>Pimephales promelas</i> )
EC50 Daphnia 2	1380 mg/l (EC50; 48 h)
<b>1,1,2-trichloro-1,2,2-trifluoroethane (76-13-1)</b>	
EC50 Daphnia 1	71 mg/l (EC50; 48 h)
LC50 fish 2	7.4 mg/l (LC50; 96 h; <i>Salmo gairdneri</i> )
<b>1-methylnaphthalene (90-12-0)</b>	
LC50 fish 1	8.4 mg/l (LC50; 48 h; <i>Salmo fario</i> )
EC50 Daphnia 1	1.848 mg/l (LC50; 48 h)
LC50 fish 2	9 mg/l (LC50; 96 h; <i>Pimephales promelas</i> )
EC50 Daphnia 2	1.2 mg/l (EC50; 48 h)
Threshold limit algae 1	1.71 - 5.12, EC50; 3 h
Threshold limit algae 2	1200 µg/l (EC50; 14 days)
<b>2-methylnaphthalene (91-57-6)</b>	
LC50 fish 1	8 mg/l (LC50; 96 h)
<b>hexane (110-54-3)</b>	
LC50 fish 1	2.5 mg/l (LC50; 96 h)

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<b>hexane (110-54-3)</b>	
EC50 Daphnia 1	2.1 mg/l (EC50; 48 h)
Threshold limit algae 2	26 mg/l (EbC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system)
<b>heptane (142-82-5)</b>	
EC50 Daphnia 1	0.2 mg/l (LC50; Other; 96 h; Chaetogammarus marinus; Semi-static system; Salt water; Experimental value)
<b>cyclohexane (110-82-7)</b>	
LC50 fish 1	4.53 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	0.9 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	3.428 mg/l (EbC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)
Threshold limit algae 2	0.925 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)
<b>methylcyclohexane (108-87-2)</b>	
LC50 fish 2	5.4 mg/l (LC50; 96 h; Salmo gairdneri; Semi-static system)
Threshold limit algae 2	29 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Static system; Fresh water; Read-across)
<b>2,2,4-trimethylpentane (540-84-1)</b>	
EC50 Daphnia 1	0.4 mg/l (EC50; Other; 48 h; Daphnia magna; Static system; Fresh water; Read-across)
Threshold limit algae 1	2.943 mg/l (EC50; Other; 72 h; Pseudokirchneriella subcapitata; Fresh water)
<b>tetrahydrofuran (109-99-9)</b>	
LC50 fish 1	2160 mg/l (LC50; Equivalent or similar to OECD 203; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
Threshold limit algae 2	3700 mg/l (EC0; Other; 8 days; Scenedesmus quadricauda; Static system; Fresh water; Experimental value)
<b>carbon disulfide (75-15-0)</b>	
LC50 fish 2	4 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Poecilia reticulata)
EC50 Daphnia 2	2.1 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
Threshold limit algae 1	21 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 96 h; Chlorella sp.)
<b>allyl chloride (107-05-1)</b>	
LC50 fish 2	0.32 mg/l (LC50; 96 h; Pimephales promelas; Static system)
EC50 Daphnia 2	0.25 - 0.4 mg/l (LC50; 96 h; Daphnia magna; Static system)
<b>2-methyl-2-butanol (75-85-4)</b>	
LC50 fish 1	2430 mg/l (LC50)
EC50 Daphnia 1	3185 mg/l (EC50; 24 h)
EC50 Daphnia 2	4030 mg/l (LC50)
Threshold limit algae 1	1250 mg/l (EC0; 192 h)
<b>iodomethane (74-88-4)</b>	
LC50 fish 2	1.4 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	0.57 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Semi-static system; Fresh water; Experimental value)
Threshold limit algae 2	2.55 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
<b>acrylonitrile, inhibited (107-13-1)</b>	
EC50 Daphnia 1	7.55 mg/l (EC50; 48 h)
LC50 fish 2	25 mg/l (LC50; 96 h; Brachydanio rerio)
<b>methyl acetate (79-20-9)</b>	
LC50 fish 1	250 - 350 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	1026.7 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	> 120 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)
<b>methanol (67-56-1)</b>	
LC50 fish 1	15400 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value)

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<b>methanol (67-56-1)</b>	
EC50 Daphnia 1	> 10000 mg/l (EC50; DIN 38412-11; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
LC50 fish 2	10800 mg/l (LC50; 96 h; Salmo gairdneri)

### 12.2. Persistence and degradability

<b>Custom 8260 Calibration Mix</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
<b>bromodichloromethane (75-27-4)</b>	
Persistence and degradability	Not readily biodegradable in water.
<b>bromoform (75-25-2)</b>	
Persistence and degradability	Not readily biodegradable in water.
<b>chloroform (67-66-3)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. Low potential for adsorption in soil.
ThOD	0.33 - 1.35 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.015 - 0.06
<b>1,2-dibromo-3-chloropropane (96-12-8)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil.
<b>1,2-Dibromoethane (106-93-4)</b>	
Persistence and degradability	Not readily biodegradable in water. No significant hydrolysis. Non degradable in the soil. Highly mobile in soil.
<b>1,2,3-trichloropropane (96-18-4)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil.
<b>benzene (71-43-2)</b>	
Persistence and degradability	Readily biodegradable in water. Ozonation in water. Forming sediments in water. Biodegradable in the soil. Low potential for adsorption in soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	2.18 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.15 g O <sub>2</sub> /g substance
ThOD	3.1 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.7
<b>ethylbenzene (100-41-4)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	1.44 g O <sub>2</sub> /g substance (20d.)
Chemical oxygen demand (COD)	2.1 g O <sub>2</sub> /g substance
ThOD	3.17 g O <sub>2</sub> /g substance
BOD (% of ThOD)	45.4 (20 days)
<b>toluene (108-88-3)</b>	
Persistence and degradability	Readily biodegradable in water. easily degradable in the soil.
Biochemical oxygen demand (BOD)	2.15 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.52 g O <sub>2</sub> /g substance
ThOD	3.13 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.69
<b>m-xylene (108-38-3)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photolysis in the air. Photooxidation in the air.
Biochemical oxygen demand (BOD)	2.53 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.63 g O <sub>2</sub> /g substance
ThOD	3.1 g O <sub>2</sub> /g substance
<b>o-xylene (95-47-6)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.
Biochemical oxygen demand (BOD)	1.64 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.91 g O <sub>2</sub> /g substance
ThOD	3.125 g O <sub>2</sub> /g substance
<b>p-xylene (106-42-3)</b>	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	1.4 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.56 g O <sub>2</sub> /g substance

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<b>p-xylene (106-42-3)</b>	
ThOD	3.125 g O <sub>2</sub> /g substance
<b>chlorobenzene (108-90-7)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	0.03 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.41 g O <sub>2</sub> /g substance
ThOD	2.06 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.0145
<b>1,2-dichlorobenzene (95-50-1)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Non degradable in the soil. Adsorbs into the soil.
BOD (% of ThOD)	0
<b>1,3-dichlorobenzene (541-73-1)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Non degradable in the soil. Low potential for adsorption in soil.
<b>1,4-dichlorobenzene (106-46-7)</b>	
Persistence and degradability	Readily biodegradable in water. Non degradable in the soil. Adsorbs into the soil.
ThOD	1.52 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.65 (Calculated value)
<b>Methylene Chloride (75-09-2)</b>	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil.
<b>1,1-dichloroethane (75-34-3)</b>	
Persistence and degradability	Not readily biodegradable in water. Not readily biodegradable in the soil. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	0.002 g O <sub>2</sub> /g substance
ThOD	0.81 - 0.97 g O <sub>2</sub> /g substance
<b>1,1-dichloroethene (75-35-4)</b>	
Persistence and degradability	Not readily biodegradable in water.
<b>1,2-dichloroethane (107-06-2)</b>	
Persistence and degradability	Not readily biodegradable in water. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.0014 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.025 g O <sub>2</sub> /g substance
ThOD	0.98 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.001 (Calculated value)
<b>cis-1,3-Dichloropropene (10061-01-5)</b>	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil.
<b>1,3-dichloropropene, trans- (10061-02-6)</b>	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil.
<b>1,1,1-trichloroethane (71-55-6)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil.
<b>1,1,2-trichloroethane (79-00-5)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. Highly mobile in soil.
<b>trichloroethylene (79-01-6)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. Biodegradable in the soil under anaerobic conditions.
<b>carbon tetrachloride (56-23-5)</b>	
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	0 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.001 g O <sub>2</sub> /g substance
ThOD	0.21 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0
<b>1,1,2,2-tetrachloroethane (79-34-5)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. No (test)data on mobility of the substance available.
<b>tetrachloroethylene (127-18-4)</b>	
Persistence and degradability	Not readily biodegradable in water. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	0.06 g O <sub>2</sub> /g substance

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<b>tetrachloroethylene (127-18-4)</b>	
ThOD	0.39 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.15
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Low potential for mobility in soil. Photodegradation in the air.
Chemical oxygen demand (COD)	0.44 g O <sub>2</sub> /g substance
<b>1,3,5-trimethylbenzene (108-67-8)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorption to soil is possible. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.0957 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.319 g O <sub>2</sub> /g substance
ThOD	3.19 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.03
<b>naphthalene (91-20-3)</b>	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	0 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.22 g O <sub>2</sub> /g substance
ThOD	2.99 g O <sub>2</sub> /g substance
<b>bromochloromethane (74-97-5)</b>	
Persistence and degradability	Not readily biodegradable in water. Biodegradability in soil: no data available.
<b>dibromomethane (74-95-3)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water.
<b>1,1-dichloropropene (563-58-6)</b>	
Persistence and degradability	Not readily biodegradable in water.
<b>1,1,1,2-tetrachloroethane (630-20-6)</b>	
Persistence and degradability	Readily biodegradable in water. No (test) data on mobility of the substance available.
<b>1,2,3-trichlorobenzene (87-61-6)</b>	
Persistence and degradability	Not readily biodegradable in water.
<b>1,2,4-trichlorobenzene (120-82-1)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Non degradable in the soil. Adsorbs into the soil.
Biochemical oxygen demand (BOD)	0 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0
<b>2-chlorotoluene (95-49-8)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water.
ThOD	2.213 g O <sub>2</sub> /g substance
<b>4-chlorotoluene (106-43-4)</b>	
Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	0 g O <sub>2</sub> /g substance
<b>hexachlorobuta-1,3-diene (87-68-3)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradability in soil: no data available.
<b>4-Isopropyltoluene (99-87-6)</b>	
Persistence and degradability	Readily biodegradable in water.
<b>Isopropylbenzene (98-82-8)</b>	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	1.28 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.42 g O <sub>2</sub> /g substance
ThOD	3.2 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.4
<b>Bromobenzene (108-86-1)</b>	
Persistence and degradability	Not readily biodegradable in water.
<b>n-propylbenzene (103-65-1)</b>	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil. Adsorbs into the soil.



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<b>butylbenzene (104-51-8)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Non degradable in the soil. Adsorbs into the soil.
ThOD	3.22 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.14 (Calculated value)
<b>sec-butylbenzene (135-98-8)</b>	
Persistence and degradability	Biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil.
Chemical oxygen demand (COD)	3.219 g O <sub>2</sub> /g substance
<b>styrene (100-42-5)</b>	
Persistence and degradability	Readily biodegradable in water. Non degradable in the soil. Low potential for adsorption in soil. Photodegradation in the air.
Chemical oxygen demand (COD)	2.8 g O <sub>2</sub> /g substance
ThOD	3.07 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.42
<b>tert-Butyl Methyl Ether (MTBE) (1634-04-4)</b>	
Persistence and degradability	Not readily biodegradable in water.
<b>diethyl ether (60-29-7)</b>	
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available. Reacts with air.
Biochemical oxygen demand (BOD)	0.03 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.026 g O <sub>2</sub> /g substance (KMnO <sub>4</sub> )
ThOD	2.6 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.012
<b>1,1,2-trichloro-1,2,2-trifluoroethane (76-13-1)</b>	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil under anaerobic conditions.
<b>1-methylnaphthalene (90-12-0)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water.
<b>2-methylnaphthalene (91-57-6)</b>	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water.
<b>hexane (110-54-3)</b>	
Persistence and degradability	Readily biodegradable in water. Photooxidation in water. easily degradable in the soil.
ThOD	3.52 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.63 (Literature study)
<b>heptane (142-82-5)</b>	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Low potential for adsorption in soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	1.92 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.06 g O <sub>2</sub> /g substance
ThOD	3.52 g O <sub>2</sub> /g substance
BOD (% of ThOD)	> 0.5 (5 days; Literature study)
<b>cyclohexane (110-82-7)</b>	
Persistence and degradability	Readily biodegradable in water. Non degradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	0.22 g O <sub>2</sub> /g substance
ThOD	3.425 g O <sub>2</sub> /g substance
BOD (% of ThOD)	< 0.5 (Literature study)
<b>methylcyclohexane (108-87-2)</b>	
Persistence and degradability	Not readily biodegradable in water. Low potential for adsorption in soil.
<b>2,2,4-trimethylpentane (540-84-1)</b>	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil.
ThOD	3.5 g O <sub>2</sub> /g substance
<b>tetrahydrofuran (109-99-9)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Chemical oxygen demand (COD)	1.855 g O <sub>2</sub> /g substance
ThOD	2.44 g O <sub>2</sub> /g substance
<b>carbon disulfide (75-15-0)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradability in soil: no data available.

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<b>allyl chloride (107-05-1)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.23 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.86 g O <sub>2</sub> /g substance
ThOD	1.7 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.14 (5 days; Calculated value)
<b>2-methyl-2-butanol (75-85-4)</b>	
Persistence and degradability	Not readily biodegradable in water.
ThOD	2.72 g O <sub>2</sub> /g substance
<b>iodomethane (74-88-4)</b>	
Persistence and degradability	Not readily biodegradable in water. Highly mobile in soil. Photolysis in the air.
<b>acrylonitrile, inhibited (107-13-1)</b>	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water. Biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	0.72 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.39 g O <sub>2</sub> /g substance
ThOD	3.17 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.22
<b>methyl acetate (79-20-9)</b>	
Persistence and degradability	Readily biodegradable in water. Inherently biodegradable. Highly mobile in soil.
<b>1,2,3-trimethylbenzene (526-73-8)</b>	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Non degradable in the soil. Adsorbs into the soil. Photodegradation in the air.
<b>methanol (67-56-1)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.42 g O <sub>2</sub> /g substance
ThOD	1.5 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.8 (Literature study)
<b>12.3. Bioaccumulative potential</b>	
<b>Custom 8260 Calibration Mix</b>	
Bioaccumulative potential	Not established.
<b>bromodichloromethane (75-27-4)</b>	
Log Pow	1.88 - 2.24
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>bromoform (75-25-2)</b>	
BCF fish 1	3.2 (BCF)
BCF fish 2	7.7 - 21 (BCF)
BCF other aquatic organisms 1	31.7 (BCF)
BCF other aquatic organisms 2	8.3 - 21 (BCF)
Log Pow	2.37 - 2.5
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>chloroform (67-66-3)</b>	
BCF fish 2	1.4 - 4.7 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value)
Log Pow	1.97 (Experimental value; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1,2-dibromo-3-chloropropane (96-12-8)</b>	
BCF fish 1	3.6 - 19 (BCF)
Log Pow	2.43 - 2.96
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1,2-Dibromoethane (106-93-4)</b>	
BCF fish 1	1.6 - 14.9 (BCF; 6 weeks; Cyprinus carpio)
BCF fish 2	6 (BCF)
BCF other aquatic organisms 1	2.8 (BCF)
Log Pow	1.93 (Experimental value; Equivalent or similar to OECD 107)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

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<b>1,2,3-trichloropropane (96-18-4)</b>	
BCF fish 1	5.3 - 13 (BCF)
Log Pow	2.27 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>benzene (71-43-2)</b>	
BCF fish 1	19 (BCF)
BCF fish 2	< 10 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 3 days; Leuciscus idus; Flow-through system; Fresh water; Experimental value)
BCF other aquatic organisms 1	30 (BCF; 24 h; Chlorella sp.)
Log Pow	2.13 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>ethylbenzene (100-41-4)</b>	
BCF fish 1	1 (BCF; Other; 6 weeks; Oncorhynchus kisutch; Flow-through system; Salt water; Literature study)
BCF fish 2	15 - 79 (BCF)
BCF other aquatic organisms 1	4.68 (BCF)
Log Pow	3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>toluene (108-88-3)</b>	
BCF fish 2	90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water)
Log Pow	2.73 (Experimental value; Other; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>m-xylene (108-38-3)</b>	
BCF fish 1	15 (BCF)
BCF fish 2	24 (BCF)
Log Pow	3.2 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>o-xylene (95-47-6)</b>	
BCF fish 1	21.4 (BCF)
BCF fish 2	14.1 (BCF)
BCF other aquatic organisms 1	219 (BCF)
Log Pow	3.12 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>p-xylene (106-42-3)</b>	
BCF fish 1	15 (BCF)
BCF fish 2	23 (BCF; 240 h)
Log Pow	3.15 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>chlorobenzene (108-90-7)</b>	
BCF fish 1	447 (BCF)
BCF fish 2	3.9 - 40 (BCF)
Log Pow	2.8 - 2.98
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1,2-dichlorobenzene (95-50-1)</b>	
BCF fish 1	90 - 260 (BCF)
BCF fish 2	270 - 560 (BCF)
BCF other aquatic organisms 1	14791 (BCF)
BCF other aquatic organisms 2	28840 (BCF)
Log Pow	3.43 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
<b>1,3-dichlorobenzene (541-73-1)</b>	
BCF fish 1	420 - 740 (BCF)
BCF fish 2	57 - 370 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 8 weeks; Cyprinus carpio; Flow-through system; Fresh water; Experimental value)
Log Pow	3.4 - 4.6
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1,4-dichlorobenzene (106-46-7)</b>	
BCF fish 1	100 (BCF)

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<b>1,4-dichlorobenzene (106-46-7)</b>	
BCF fish 2	214 - 720 (BCF)
BCF other aquatic organisms 1	20 (BCF)
Log Pow	3.39 - 3.62 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation ( $500 \leq \text{BCF} \leq 5000$ ).
<b>Methylene Chloride (75-09-2)</b>	
BCF fish 1	2 - 40 (BCF)
Log Pow	1.25 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{BCF} < 500$ ).
<b>1,1-dichloroethane (75-34-3)</b>	
BCF fish 1	1.2 (BCF; 109 h; Pisces)
Log Pow	1.79 - 1.99 (Literature study)
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{BCF} < 500$ ).
<b>1,1-dichloroethene (75-35-4)</b>	
BCF fish 1	2.5 - 6.4 (BCF)
BCF fish 2	7.8 (BCF)
Log Pow	1.48 - 2.17
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{BCF} < 500$ ).
<b>1,2-dichloroethane (107-06-2)</b>	
BCF fish 1	2 (BCF; 336 h)
Log Pow	1.45 - 1.48 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{BCF} < 500$ ).
<b>cis-1,3-Dichloropropene (10061-01-5)</b>	
Log Pow	2.06
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{Log Kow} < 4$ ).
<b>1,3-dichloropropene, trans- (10061-02-6)</b>	
Log Pow	2
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{Log Kow} < 4$ ).
<b>1,1,1-trichloroethane (71-55-6)</b>	
BCF fish 1	9 (BCF; 672 h)
BCF fish 2	0.7 - 4.9 (BCF)
BCF other aquatic organisms 1	0.7 - 34 (BCF)
BCF other aquatic organisms 2	0 - 10 (BCF)
Log Pow	2.46 - 2.49 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{BCF} < 500$ ).
<b>1,1,2-trichloroethane (79-00-5)</b>	
BCF fish 1	> > 0.7 - < 6.7, BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 6 weeks; Cyprinus carpio; Flow-through system; Experimental value
Log Pow	1.89 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{BCF} < 500$ ).
<b>trichloroethylene (79-01-6)</b>	
BCF fish 1	17 (BCF; 336 h)
BCF fish 2	90 (BCF; 72 h; Leuciscus idus)
BCF other aquatic organisms 1	3440 (BCF; 120 h)
BCF other aquatic organisms 2	4270 (BCF; 120 h)
Log Pow	2.29 - 2.42 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{BCF} < 500$ ).
<b>carbon tetrachloride (56-23-5)</b>	
BCF fish 1	17.4 (BCF)
BCF fish 2	3.1 - 11 (BCF)
BCF other aquatic organisms 1	300 (BCF; 24 h; Chlorella sp.)
BCF other aquatic organisms 2	20 - 114 (BCF)
Log Pow	2.75 - 2.83 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{BCF} < 500$ ).
<b>1,1,2,2-tetrachloroethane (79-34-5)</b>	
BCF fish 1	4.1 - 13.2 (BCF; Cyprinus carpio)
Log Pow	2.39 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation ( $\text{BCF} < 500$ ).

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<b>tetrachloroethylene (127-18-4)</b>	
BCF fish 2	25.8 - 77.1 (BCF; 8 weeks)
Log Pow	3.4 (Experimental value; 2.53; Experimental value; Equivalent or similar to OECD 107; 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
BCF fish 1	31 - 275 (BCF; Other; 8 weeks; Cyprinus carpio)
Log Pow	3.63 - 4.09 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation ( $4 \geq \text{Log Kow} \leq 5$ ).
<b>1,3,5-trimethylbenzene (108-67-8)</b>	
BCF fish 2	161 (BCF)
Log Pow	3.42 - 4.13 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>naphthalene (91-20-3)</b>	
BCF fish 1	23 - 168 (BCF; 8 weeks; Cyprinus carpio)
Log Pow	3.3 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>bromochloromethane (74-97-5)</b>	
BCF fish 1	1.7 - 3.5 (BCF)
Log Pow	1.41
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>dibromomethane (74-95-3)</b>	
BCF fish 1	6 (BCF)
Log Pow	1.22
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1,1-dichloropropene (563-58-6)</b>	
Log Pow	2.67 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>1,1,1,2-tetrachloroethane (630-20-6)</b>	
Log Pow	2.93 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>1,2,3-trichlorobenzene (87-61-6)</b>	
BCF fish 1	2600 (BCF)
BCF fish 2	130 - 1200 (BCF)
BCF other aquatic organisms 1	200 (BCF)
Log Pow	4.05 - 4.26
Bioaccumulative potential	Potential for bioaccumulation ( $500 \leq \text{BCF} \leq 5000$ ).
<b>1,2,4-trichlorobenzene (120-82-1)</b>	
BCF fish 1	1200 - 3700 (BCF)
BCF fish 2	1140 - 4420 (BCF)
BCF other aquatic organisms 1	250 (BCF; 24 h; Chlorella sp.)
BCF other aquatic organisms 2	142 (BCF)
Log Pow	4.02 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation ( $500 \leq \text{BCF} \leq 5000$ ).
<b>2-chlorotoluene (95-49-8)</b>	
BCF fish 1	20 - 112 (BCF)
Log Pow	3.42 (Test data)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>4-chlorotoluene (106-43-4)</b>	
BCF fish 1	14 - 101.6 (BCF)
Log Pow	3.33 (Test data)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>hexachlorobuta-1,3-diene (87-68-3)</b>	
BCF fish 1	17000 (BCF)
BCF fish 2	7000 (BCF)
BCF other aquatic organisms 1	45.36 (BCF)
BCF other aquatic organisms 2	3000 (BCF)
Log Pow	3.74 - 4.90

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<b>hexachlorobuta-1,3-diene (87-68-3)</b>	
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
<b>4-Isopropyltoluene (99-87-6)</b>	
Log Pow	4.1 - 4.44
<b>Isopropylbenzene (98-82-8)</b>	
BCF fish 1	35.5 (BCF)
BCF other aquatic organisms 1	94.69 (BCF; BCFBAF v3.00)
Log Pow	3.66 (Experimental value; 3.55; Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>Bromobenzene (108-86-1)</b>	
BCF fish 1	8.8 - 34 (BCF)
BCF fish 2	72 (BCF)
BCF other aquatic organisms 1	190 (BCF; 24 h)
Log Pow	2.99 - 3.05
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>n-propylbenzene (103-65-1)</b>	
Log Pow	3.69 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>butylbenzene (104-51-8)</b>	
Log Pow	4.38 (Experimental value)
Bioaccumulative potential	Bioaccumable.
<b>sec-butylbenzene (135-98-8)</b>	
Log Pow	4.098 - 4.57 (Calculated)
Bioaccumulative potential	Bioaccumable.
<b>styrene (100-42-5)</b>	
BCF fish 1	35.5 (BCF)
Log Pow	2.96 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>tert-Butyl Methyl Ether (MTBE) (1634-04-4)</b>	
BCF fish 1	1.5 (BCF; 672 h)
Log Pow	1.06 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>diethyl ether (60-29-7)</b>	
BCF fish 1	0.9 - 9.1 (BCF)
Log Pow	0.82 - 0.89 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1,1,2-trichloro-1,2,2-trifluoroethane (76-13-1)</b>	
BCF fish 1	11 - 86 (BCF)
Log Pow	1.66 - 3.3 (Calculated)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1-methylnaphthalene (90-12-0)</b>	
BCF fish 1	20 (BCF; 5 weeks)
BCF fish 2	113-2000,BCF; 1 - 2 weeks
Log Pow	3.87 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>2-methylnaphthalene (91-57-6)</b>	
BCF fish 1	407 (BCF; 624 h; Lepomis macrochirus)
BCF fish 2	190 (BCF; 840 h; Oncorhynchus kisutch)
Log Pow	3.86 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>hexane (110-54-3)</b>	
BCF fish 1	501.187 (BCF; Other; Pimephales promelas)
Log Pow	3.5 - 3.94 (Calculated)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).

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<b>heptane (142-82-5)</b>	
BCF other aquatic organisms 1	552 (BCF; BCFBAF v3.00)
Log Pow	4.66 (Experimental value; 4.5; Literature study)
Bioaccumulative potential	Potential for bioaccumulation ( $4 \geq \text{Log Kow} \leq 5$ ).
<b>cyclohexane (110-82-7)</b>	
BCF fish 2	31 - 129 (BCF; 8 weeks; Cyprinus carpio)
Log Pow	3.44 (Experimental value; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>methylcyclohexane (108-87-2)</b>	
BCF fish 1	95 - 321 (BCF; 8 weeks; Cyprinus carpio)
Log Pow	3.88 (Literature)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>2,2,4-trimethylpentane (540-84-1)</b>	
BCF fish 2	231 (BCF)
Log Pow	4.08 - 5.18 (Calculated; KOWWIN)
<b>tetrahydrofuran (109-99-9)</b>	
Log Pow	0.45 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>carbon disulfide (75-15-0)</b>	
BCF fish 1	4.3 - 8 (BCF)
BCF fish 2	< 60 (BCF)
Log Pow	1.94 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>allyl chloride (107-05-1)</b>	
BCF fish 1	< 5.6 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio)
Log Pow	2.1 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>2-methyl-2-butanol (75-85-4)</b>	
BCF fish 1	3 (BCF; 528 h)
Log Pow	0.89 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>iodomethane (74-88-4)</b>	
Log Pow	1.57 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>acrylonitrile, inhibited (107-13-1)</b>	
BCF fish 1	48 (BCF; 672 h; Lepomis macrochirus)
Log Pow	-0.9 - 0.3 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>methyl acetate (79-20-9)</b>	
BCF fish 1	< 1 (BCF)
Log Pow	0.37 (Calculated; KOWWIN; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1,2,3-trimethylbenzene (526-73-8)</b>	
BCF fish 1	133 - 259 (BCF)
Log Pow	3.66 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>methanol (67-56-1)</b>	
BCF fish 1	< 10 (BCF; 72 h; Leuciscus idus)
Log Pow	-0.77 (Experimental value; Other)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>12.4. Mobility in soil</b>	
<b>bromoform (75-25-2)</b>	
Surface tension	0.045 N/m (25 °C)

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<b>chloroform (67-66-3)</b>	
Surface tension	0.0271 N/m (20 °C)
Log Koc	Koc,Other; 86.7-367; Experimental value; log Koc; Other; 1.94-2.56; Experimental value
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
<b>1,2-Dibromoethane (106-93-4)</b>	
Surface tension	0.038 N/m (20 °C)
Log Koc	log Koc,OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC); 0.314; Experimental value; GLP
<b>1,2,3-trichloropropane (96-18-4)</b>	
Surface tension	0.038 N/m (20 °C)
<b>benzene (71-43-2)</b>	
Surface tension	0.029 N/m (20 °C)
Log Koc	Koc,134.1; QSAR
<b>ethylbenzene (100-41-4)</b>	
Surface tension	0.029 N/m
Log Koc	log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value
<b>toluene (108-88-3)</b>	
Surface tension	0.03 N/m (20 °C)
<b>m-xylene (108-38-3)</b>	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
<b>o-xylene (95-47-6)</b>	
Surface tension	0.003 N/m (25 °C)
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
<b>p-xylene (106-42-3)</b>	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
<b>chlorobenzene (108-90-7)</b>	
Surface tension	0.033 N/m (25 °C)
Log Koc	Koc,PCKOCWIN v1.66; 268; Calculated value; log Koc; PCKOCWIN v1.66; 2.42; Calculated value
<b>1,2-dichlorobenzene (95-50-1)</b>	
Surface tension	0.037 N/m (20 °C)
<b>1,3-dichlorobenzene (541-73-1)</b>	
Surface tension	0.036 N/m (20 °C)
Log Koc	log Koc,Other; 2.56; Experimental value
<b>1,4-dichlorobenzene (106-46-7)</b>	
Surface tension	0.03 N/m (55 °C)
<b>Methylene Chloride (75-09-2)</b>	
Surface tension	0.028 N/m (20 °C)
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
<b>1,1-dichloroethane (75-34-3)</b>	
Surface tension	0.025 N/m
<b>1,2-dichloroethane (107-06-2)</b>	
Surface tension	0.032 N/m (20 °C)
Log Koc	log Koc,1.52; Koc; 121
<b>1,1,1-trichloroethane (71-55-6)</b>	
Surface tension	0.025 N/m
Ecology - soil	Soil contaminant.
<b>1,1,2-trichloroethane (79-00-5)</b>	
Surface tension	0.033 N/m (20 °C)
Log Koc	log Koc,SRC PCKOCWIN v2.0; 1.64 - 1.783; Estimated value
<b>trichloroethylene (79-01-6)</b>	
Surface tension	0.03 N/m
<b>carbon tetrachloride (56-23-5)</b>	
Surface tension	0.027 N/m (20 °C)



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<b>carbon tetrachloride (56-23-5)</b>	
Ecology - soil	Soil contaminant. May be harmful to plant growth, blooming and fruit formation.
<b>1,1,2,2-tetrachloroethane (79-34-5)</b>	
Surface tension	0.035 N/m (20 °C)
<b>tetrachloroethylene (127-18-4)</b>	
Surface tension	0.0313 N/m (20 °C)
Log Koc	Koc,141; Experimental value; log Koc; 2.15; Experimental value
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
Surface tension	0.029 N/m
Log Koc	log Koc,3.04; Calculated value
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
<b>1,3,5-trimethylbenzene (108-67-8)</b>	
Surface tension	0.028 N/m
Log Koc	log Koc,2.87; Calculated value
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
<b>naphthalene (91-20-3)</b>	
Surface tension	0.03 N/m (100 °C)
<b>bromochloromethane (74-97-5)</b>	
Surface tension	0.033 N/m (20 °C)
Ecology - soil	Soil contaminant.
<b>1,1,1,2-tetrachloroethane (630-20-6)</b>	
Surface tension	0.033 N/m (20 °C)
<b>1,2,4-trichlorobenzene (120-82-1)</b>	
Surface tension	0.039 N/m (20 °C)
<b>2-chlorotoluene (95-49-8)</b>	
Surface tension	0.033 N/m (20 °C)
<b>4-chlorotoluene (106-43-4)</b>	
Surface tension	0.034 N/m (25 °C)
<b>hexachlorobuta-1,3-diene (87-68-3)</b>	
Ecology - soil	Soil contaminant.
<b>4-Isopropyltoluene (99-87-6)</b>	
Surface tension	0.028 N/m (20 °C)
<b>Isopropylbenzene (98-82-8)</b>	
Log Koc	Koc,884; Calculated value; log Koc; 2.946; Calculated value
<b>Bromobenzene (108-86-1)</b>	
Surface tension	0.036 N/m
<b>butylbenzene (104-51-8)</b>	
Surface tension	0.029 N/m (20 °C)
<b>sec-butylbenzene (135-98-8)</b>	
Surface tension	0.029 N/m (20 °C)
<b>styrene (100-42-5)</b>	
Surface tension	0.032 N/m (19 °C)
Log Koc	Koc,352; Estimated value; log Koc; 2.55; Estimated value
<b>tert-Butyl Methyl Ether (MTBE) (1634-04-4)</b>	
Surface tension	0.02 N/m (20 °C)
<b>diethyl ether (60-29-7)</b>	
Surface tension	0.017 N/m (20 °C)
<b>1,1,2-trichloro-1,2,2-trifluoroethane (76-13-1)</b>	
Surface tension	0.023 N/m
<b>1-methylnaphthalene (90-12-0)</b>	
Log Koc	Koc,2300
<b>hexane (110-54-3)</b>	
Surface tension	0.018 N/m (25 °C; 1 g/l)
Log Koc	Koc,2187.76; QSAR; log Koc; 3.34; QSAR

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<b>heptane (142-82-5)</b>	
Surface tension	0.019 N/m (25 °C; 0.020 N/m; 20 °C)
Log Koc	log Koc, SRC PCKOCWIN v2.0; 2.38; Calculated value
<b>cyclohexane (110-82-7)</b>	
Surface tension	0.025 N/m (20 °C)
Log Koc	log Koc, Other; 2.89; QSAR; Koc; Other; 770; QSAR
<b>methylcyclohexane (108-87-2)</b>	
Log Koc	log Koc, SRC PCKOCWIN v2.0; 2.369; Calculated value
<b>2,2,4-trimethylpentane (540-84-1)</b>	
Log Koc	log Koc, SRC PCKOCWIN v2.0; 2.58; Calculated value; Koc; SRC PCKOCWIN v2.0; 240.3; Calculated value
<b>tetrahydrofuran (109-99-9)</b>	
Surface tension	0.028 N/m
Log Koc	log Koc, 1.26 - 1.37; Experimental value
<b>carbon disulfide (75-15-0)</b>	
Surface tension	0.032 N/m (20 °C)
<b>allyl chloride (107-05-1)</b>	
Surface tension	0.023 N/m (20 °C)
Log Koc	log Koc, SRC PCKOCWIN v2.0; 1.67; Calculated value
<b>2-methyl-2-butanol (75-85-4)</b>	
Surface tension	0.023 N/m (20 °C)
<b>iodomethane (74-88-4)</b>	
Surface tension	0.026 N/m (43 °C)
Log Koc	log Koc, OECD 106: Adsorption/Desorption Using a Batch Equilibrium Method; 1.15 - 1.79; Experimental value; GLP
<b>acrylonitrile, inhibited (107-13-1)</b>	
Surface tension	0.027 N/m (20 °C)
<b>methyl acetate (79-20-9)</b>	
Surface tension	0.024 N/m (20 °C)
Log Koc	log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC); 0.18; Experimental value; GLP
<b>methanol (67-56-1)</b>	
Surface tension	0.023 N/m (20 °C)
Log Koc	Koc, PCKOCWIN v1.66; 1; Calculated value

### 12.5. Results of PBT and vPvB assessment

Component	
1,2,3-trichloropropane (96-18-4)	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
1,2-dichloroethane (107-06-2)	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
trichloroethylene (79-01-6)	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

### 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.

Additional information : Handle empty containers with care because residual vapours are flammable. Hazardous waste due to potential risk of explosion.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR) : 1992

UN-No. (IATA) : 1992

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UN-No. (IMDG) : 1992  
UN-No. (ADN) : 1992

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, TOXIC, N.O.S.  
Proper Shipping Name (IATA) : Flammable liquid, toxic, n.o.s.  
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, TOXIC, N.O.S.  
Proper Shipping Name (ADN) : FLAMMABLE LIQUID, TOXIC, N.O.S.  
Transport document description (ADR) : UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), I, (C/E), ENVIRONMENTALLY HAZARDOUS

### 14.3. Packing group

Class (ADR) : 3  
Classification code (ADR) : FT1  
Class (IATA) : 3  
Class (IMDG) : 3  
Class (ADN) : 3  
Classification code (ADN) : FT1  
Subsidiary risk (ADR) : 6.1  
Subsidiary risk (IMDG) : 6.1  
Danger labels (ADR) : 3, 6.1



Hazard labels (IATA) : 3, 6.1



Danger labels (IMDG) : 3, 6.1



Danger labels (ADN) : 3, 6.1



### 14.4. Packing group

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

### 14.5. Environmental hazards

Dangerous for the environment :



Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 336  
Classification code (ADR) : FT1

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Orange plates



Special provisions (ADR) : 274  
Transport category (ADR) : 1  
Tunnel restriction code (ADR) : C/E  
Limited quantities (ADR) : 0  
Excepted quantities (ADR) : E0

### 14.6.2. Transport by sea

Special provisions (IMDG) : 274  
Limited quantities (IMDG) : 0  
Excepted quantities (IMDG) : E0  
Packing instructions (IMDG) : P001  
Tank instructions (IMDG) : T14  
Tank special provisions (IMDG) : TP2, TP13, TP27  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-D  
Stowage category (IMDG) : E  
Properties and observations (IMDG) : Flammable toxic liquid which is not specified by name in this class or, on account of its characteristics, in some other class. Toxic if swallowed, by skin contact or by inhalation.

### 14.6.3. Air transport

CAO packing instructions (IATA) : 361  
CAO max net quantity (IATA) : 30L  
PCA packing instructions (IATA) : Forbidden  
PCA Limited quantities (IATA) : Forbidden  
PCA limited quantity max net quantity (IATA) : Forbidden  
PCA max net quantity (IATA) : Forbidden  
PCA Excepted quantities (IATA) : E0  
Special provisions (IATA) : A3  
ERG code (IATA) : 3HP

### 14.6.4. Inland waterway transport

Special provisions (ADN) : 274, 802  
Limited quantities (ADN) : 0  
Excepted quantities (ADN) : E0  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EP, EX, TOX, A  
Ventilation (ADN) : VE01, VE02  
Number of blue cones/lights (ADN) : 2  
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 a substance on the REACH candidate list in concentration  $\geq 0.1\%$  or with a lower specific limit: 1,2,3-Trichloropropane (EC 202-486-1, CAS 96-18-4), 1,2-dichloroethane (EC 203-458-1, CAS 107-06-2), Trichloroethylene (EC 201-167-4, CAS 79-01-6)

Contains REACH Annex XIV substances:

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### 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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