Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : EUROLUB Nitroverdünnung

Revision date : 05.03.2018 **Version (Revision) :** 26.0.0 (25.0.0)

Print date : 08.03.2018

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

1.1 Product identifier

EUROLUB Nitroverdünnung

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

Relevant identified uses

Coatings and paints, thinners, paint removers
Solvent

1.3 Details of the supplier of the safety data sheet

Supplier :	EUROLUB GmbH
Street :	Freisinger Straße 25 – 27
Postal code/city :	D 85386 Eching bei München
Telephone :	+49 (0) 8165 / 95 91-0
Telefax :	+49 (0) 8165 / 934 21 01
Information contact :	info@eurolub.com

1.4 Emergency telephone number

+49 (0) 8165 / 95 91-0 (7:30 – 16:00 Uhr)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.
Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.
Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.
Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.
Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.
STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

2.2 Label elements

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

Hazard pictograms

Flame (GHS02) · Health hazard (GHS08) · Corrosion (GHS05) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

HYDROCARBONS, C9, AROMATES ; EC No. : 918-668-5
BUTAN-1-OL ; INDEX No. : 603-004-00-6
2-METHYLPROPAN-1-OL ; INDEX No. : 603-108-00-1
ETHYL LACTATE ; INDEX No. : 607-129-00-7

Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331	Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations

Additional information

P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P302+P352 - IF ON SKIN: Wash with plenty of water. P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

ORGANIC SOLVENTS

3.2 Mixtures

Hazardous ingredients

1-METHOXY-2-PROPANOL ; REACH registration No. : 01-2119457435-35 ; EC No. : 203-539-1; CAS No. : 107-98-2
Weight fraction : ≥ 10 - < 20 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H336

N-BUTYL ACETATE ; REACH registration No. : 01-2119485493-29 ; EC No. : 204-658-1; CAS No. : 123-86-4
Weight fraction : ≥ 10 - < 20 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H336

2-METHOXY-1-METHYLETHYL ACETATE ; REACH registration No. : 01-2119475791-29 ; EC No. : 203-603-9; CAS No. : 108-65-6
Weight fraction : < 25 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226
Substance with a common (EC) occupational exposure limit value.

XYLENE ; REACH registration No. : 01-2119488216-32 ; EC No. : 215-535-7; CAS No. : 1330-20-7
Weight fraction : < 10 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315

ETHYL ACETATE ; REACH registration No. : 01-2119475103-46 ; EC No. : 205-500-4; CAS No. : 141-78-6
Weight fraction : < 10 %
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

HYDROCARBONS, C9, AROMATES ; REACH registration No. : 01-2119455851-35 ; EC No. : 918-668-5
Weight fraction : ≥ 5 - < 10 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H335 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

ACETONE ; REACH registration No. : 01-2119471330-49 ; EC No. : 200-662-2; CAS No. : 67-64-1
Weight fraction : ≥ 5 - < 10 %
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

CYCLOPENTANONE ; EC No. : 204-435-9; CAS No. : 120-92-3
Weight fraction : < 10 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES ; REACH registration No. : 01-2119471843-32 ; EC No. : 927-241-2
Weight fraction : < 10 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H336 Aquatic Chronic 3 ; H412

ETHANOL ; REACH registration No. : 01-2119457610-43 ; EC No. : 200-578-6; CAS No. : 64-17-5
Weight fraction : < 10 %
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319

BUTAN-1-OL ; REACH registration No. : 01-2119484630-23 ; EC No. : 200-751-6; CAS No. : 71-36-3
Weight fraction : ≥ 1 - < 3 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 STOT SE 3 ; H336

BUTANONE ; REACH registration No. : 01-2119457290-43 ; EC No. : 201-159-0; CAS No. : 78-93-3
Weight fraction : < 10 %
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

ETHYL LACTATE ; REACH registration No. : 01-2119516234-49 ; EC No. : 202-598-0; CAS No. : 97-64-3
Weight fraction : ≥ 1 - < 3 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 STOT SE 3 ; H335

PROPAN-2-OL ; REACH registration No. : 01-2119457558-25 ; EC No. : 200-661-7; CAS No. : 67-63-0
Weight fraction : < 20 %
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

2-METHYLPROPAN-1-OL ; REACH registration No. : 01-2119484609-23 ; EC No. : 201-148-0; CAS No. : 78-83-1
Weight fraction : ≥ 1 - < 3 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 STOT SE 3 ; H336

TOLUENE ; REACH registration No. : 01-2119471310-51 ; EC No. : 203-625-9; CAS No. : 108-88-3
Weight fraction : ≥ 1 - < 3 %
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Repr. 2 ; H361d STOT RE 2 ; H373 Skin Irrit. 2 ; H315 STOT SE 3 ; H336

METHANOL ; REACH registration No. : 01-2119433307-44 ; EC No. : 200-659-6; CAS No. : 67-56-1
Weight fraction : ≥ 1 - < 3 %
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Acute Tox. 3 ; H331 STOT SE 1 ; H370

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH

None

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH

None

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove affected person from the danger area and lay down. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

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

After ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect).

4.2 Most important symptoms and effects, both acute and delayed

Dizziness Headache Impairment of vision Nausea Vomiting

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO2) Extinguishing powder Water spray

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

5.4 Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation. See protective measures under point 7 and 8.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Only use the material in places where open light, fire and other flammable sources can be kept away.

Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists Take precautionary measures against static discharges.

Measures to prevent fire

Keep away from sources of ignition. - No smoking. Usual measures for fire prevention. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Provide earthing of containers, equipment, pumps and ventilation facilities. Use only antistatically equipped (spark-free) tools. Wear anti-static footwear and clothing Take precautionary measures against static discharges.

Measures to prevent aerosol and dust generation

Vapours/aerosols should be exhausted directly at the point of origin. Use only in well-ventilated areas.

Environmental precautions

Shafts and sewers must be protected from entry of the product.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class (VCI): 3
Storage class (TRGS 510) : 3

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2
- Limit value type (country of origin) : TRGS 900 (D)
  - Limit value : 100 ppm / 370 mg/m^3
  - Peak limitation : 2(I)
  - Remark : Y
  - Version : 04.11.2016
- Limit value type (country of origin) : STEL (EC)
  - Limit value : 150 ppm / 568 mg/m^3
  - Remark : H
  - Version : 08.06.2000
- Limit value type (country of origin) : TWA (EC)
  - Limit value : 100 ppm / 375 mg/m^3
  - Remark : H
  - Version : 08.06.2000

N-BUTYL ACETATE ; CAS No. : 123-86-4
- Limit value type (country of origin) : TRGS 900 (D)
  - Limit value : 62 ppm / 300 mg/m^3
  - Peak limitation : 2(I)
  - Remark : Y
  - Version : 04.11.2016

2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6
- Limit value type (country of origin) : TRGS 900 (D)
  - Limit value : 50 ppm / 270 mg/m^3
  - Peak limitation : 1(I)
  - Remark : Y
  - Version : 04.11.2016
- Limit value type (country of origin) : STEL (EC)
  - Limit value : 100 ppm / 550 mg/m^3
  - Remark : H
  - Version : 08.06.2000
- Limit value type (country of origin) : TWA (EC)
  - Limit value : 50 ppm / 275 mg/m^3
  - Remark : H
  - Version : 08.06.2000

XYLENE ; CAS No. : 1330-20-7
- Limit value type (country of origin) : TRGS 900 (D)
  - Limit value : 100 ppm / 440 mg/m^3
  - Peak limitation : 2(II)
  - Remark : H
  - Version : 04.11.2016
- Limit value type (country of origin) : STEL (EC)
  - Limit value : 100 ppm / 442 mg/m^3
  - Remark : H
  - Version : 08.06.2000

Limit value type (country of origin) : TWA (EC)
Limit value : 50 ppm / 221 mg/m^3
Remark : H
Version : 08.06.2000

ETHYL ACETATE ; CAS No. : 141-78-6
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 400 ppm / 1500 mg/m^3
Peak limitation : 2(I)
Remark : Y
Version : 04.11.2016

HYDROCARBONS, C9, AROMATES
Limit value type (country of origin) : AGW (D)
Limit value : 200 mg/m^3 / 8 h
Version : 16.09.2013

ACETONE ; CAS No. : 67-64-1
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 500 ppm / 1200 mg/m^3
Peak limitation : 2(I)
Remark : Y
Version : 04.11.2016
Limit value type (country of origin) : TWA (EC)
Limit value : 500 ppm / 1210 mg/m^3
Version : 08.06.2000

ETHANOL ; CAS No. : 64-17-5
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 500 ppm / 960 mg/m^3
Peak limitation : 2(II)
Remark : Y
Version : 04.11.2016

BUTAN-1-OL ; CAS No. : 71-36-3
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 100 ppm / 310 mg/m^3
Peak limitation : 1(I)
Remark : Y
Version : 04.11.2016

BUTANONE ; CAS No. : 78-93-3
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 200 ppm / 600 mg/m^3
Peak limitation : 1(I)
Remark : H, Y
Version : 04.11.2016
Limit value type (country of origin) : STEL (EC)
Limit value : 300 ppm / 900 mg/m^3
Version : 08.06.2000
Limit value type (country of origin) : TWA (EC)
Limit value : 200 ppm / 600 mg/m^3
Version : 08.06.2000

PROPAN-2-OL ; CAS No. : 67-63-0
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 200 ppm / 500 mg/m^3
Peak limitation : 2(II)
Remark : Y
Version : 04.11.2016

2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1
Limit value type (country of origin) : TRGS 900 (D)
Limit value : 100 ppm / 310 mg/m^3
Peak limitation : 1(I)
Remark : Y

Version : 04.11.2016

TOLUENE ; CAS No. : 108-88-3
- Limit value type (country of origin) : TRGS 900 (D)
  - Limit value : 50 ppm / 190 mg/m^3
  - Peak limitation : 4(II)
  - Remark : H, Y
  - Version : 04.11.2016
- Limit value type (country of origin) : STEL (EC)
  - Limit value : 100 ppm / 384 mg/m^3
  - Remark : H
  - Version : 07.02.2006
- Limit value type (country of origin) : TWA (EC)
  - Limit value : 50 ppm / 192 mg/m^3
  - Remark : H
  - Version : 07.02.2006

METHANOL ; CAS No. : 67-56-1
- Limit value type (country of origin) : TRGS 900 (D)
  - Limit value : 200 ppm / 270 mg/m^3
  - Peak limitation : 4(II)
  - Remark : H, Y
  - Version : 04.11.2016
- Limit value type (country of origin) : TWA (EC)
  - Limit value : 200 ppm / 260 mg/m^3
  - Remark : H
  - Version : 07.02.2006

Biological limit values

XYLENE ; CAS No. : 1330-20-7
- Limit value type (country of origin) : TRGS 903 (D)
  - Parameter : Xylene / Whole blood (B) / End of exposure or end of shift
  - Limit value : 1,5 mg/l
  - Version : 31.03.2004
- Limit value type (country of origin) : TRGS 903 (D)
  - Parameter : Methylhippuric acid / Urine (U) / End of exposure or end of shift
  - Limit value : 2 g/l
  - Version : 31.03.2004

ACETONE ; CAS No. : 67-64-1
- Limit value type (country of origin) : TRGS 903 (D)
  - Parameter : Acetone / Urine (U) / End of exposure or end of shift
  - Limit value : 80 mg/l
  - Version : 31.03.2004

BUTAN-1-OL ; CAS No. : 71-36-3
- Limit value type (country of origin) : TRGS 903 (D)
  - Parameter : 1-Butanol / Urine (U) / Before next shift
  - Limit value : 2 mg/g Kr
  - Version : 31.03.2004
- Limit value type (country of origin) : TRGS 903 (D)
  - Parameter : 1-Butanol / Urine (U) / End of exposure or end of shift
  - Limit value : 10 mg/g Kr
  - Version : 31.03.2004

BUTANONE ; CAS No. : 78-93-3
- Limit value type (country of origin) : TRGS 903 (D)
  - Parameter : 2-Butanone / Urine (U) / End of exposure or end of shift
  - Limit value : 2 mg/l
  - Version : 01.05.2015

PROPAN-2-OL ; CAS No. : 67-63-0
- Limit value type (country of origin) : TRGS 903 (D)
  - Parameter : Acetone / Whole blood (B) / End of exposure or end of shift

Limit value :	50 mg/l
Version :	31.03.2004
Limit value type (country of origin) :	TRGS 903 (D)
Parameter :	Acetone / Urine (U) / End of exposure or end of shift
Limit value :	50 mg/l
Version :	31.03.2004

TOLUENE ; CAS No. : 108-88-3

Limit value type (country of origin) :	TRGS 903 (D)
Parameter :	Toluene / Whole blood (B) / End of exposure or end of shift
Limit value :	1 mg/l
Version :	31.03.2004
Limit value type (country of origin) :	TRGS 903 (D)
Parameter :	o-Cresol / Urine (U) / End of exposure or end of shift ; At long term exposure: after several previous shifts
Limit value :	3 mg/l
Version :	31.03.2004

METHANOL ; CAS No. : 67-56-1

Limit value type (country of origin) :	TRGS 903 (D)
Parameter :	Methanol / Urine (U) / End of exposure or end of shift ; At long term exposure: after several previous shifts
Limit value :	30 mg/l
Version :	31.03.2004

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type :	DNEL Consumer (systemic) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	18,1 mg/kg
Limit value type :	DNEL Consumer (systemic) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	43,9 mg/m^3
Limit value type :	DNEL Consumer (systemic) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	3,3 mg/kg
Limit value type :	DNEL worker (local) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - lokal
Limit value :	553,5 mg/m^3
Limit value type :	DNEL worker (systemic) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	50,6 mg/kg
Limit value type :	DNEL worker (systemic) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	369 mg/m^3
Limit value type :	DNEL Consumer (local) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - lokal
Limit value :	859,7 mg/m^3
Limit value type :	DNEL Consumer (local) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - lokal
Limit value :	102,34 mg/m^3
Limit value type :	DNEL Consumer (systemic) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - systemisch

Limit value :	859,7 mg/m^3
Limit value type :	DNEL Consumer (systemic) (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	36 mg/kg
Limit value type :	DNEL Consumer (systemic) (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	33 mg/m^3
Limit value type :	DNEL Consumer (systemic) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	102,34 mg/m^3
Limit value type :	DNEL Consumer (systemic) (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	320 mg/kg
Limit value type :	DNEL worker (local) (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - lokal
Limit value :	550 mg/m^3
Limit value type :	DNEL worker (local) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - lokal
Limit value :	960 mg/m^3
Limit value type :	DNEL worker (local) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - lokal
Limit value :	480 mg/m^3
Limit value type :	DNEL worker (systemic) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - systemisch
Limit value :	960 mg/m^3
Limit value type :	DNEL worker (systemic) (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	275 mg/m^3
Limit value type :	DNEL worker (systemic) (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	796 mg/kg
Limit value type :	DNEL worker (systemic) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	480 mg/m^3
Limit value type :	DNEL Consumer (local) (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - lokal
Limit value :	734 mg/m^3
Limit value type :	DNEL Consumer (systemic) (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	37 mg/kg
Limit value type :	DNEL Consumer (systemic) (HYDROCARBONS, C9, AROMATES)
Exposure route :	Inhalation

Exposure frequency :	Langzeit - systemisch
Limit value :	32 mg/m^3
Limit value type :	DNEL Consumer (systemic) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - systemisch
Limit value :	174 mg/m^3
Limit value type :	DNEL Consumer (systemic) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	108 mg/kg
Limit value type :	DNEL Consumer (systemic) (HYDROCARBONS, C9, AROMATES)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	11 mg/kg
Limit value type :	DNEL Consumer (systemic) (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	367 mg/m^3
Limit value type :	DNEL Consumer (systemic) (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	4,5 mg/kg
Limit value type :	DNEL Consumer (systemic) (HYDROCARBONS, C9, AROMATES)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	11 mg/kg
Limit value type :	DNEL Consumer (systemic) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	14,8 mg/kg
Limit value type :	DNEL Consumer (systemic) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	1,6 mg/kg
Limit value type :	DNEL Consumer (systemic) (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - lokal
Limit value :	367 mg/kg
Limit value type :	DNEL worker (local) (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - lokal
Limit value :	1468 mg/m^3
Limit value type :	DNEL worker (local) (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - lokal
Limit value :	734 mg/m^3
Limit value type :	DNEL worker (systemic) (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	63 mg/kg
Limit value type :	DNEL worker (systemic) (HYDROCARBONS, C9, AROMATES)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	25 mg/kg
Limit value type :	DNEL worker (systemic) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - systemisch
Limit value :	289 mg/m^3
Limit value type :	DNEL worker (systemic) (HYDROCARBONS, C9, AROMATES)
Exposure route :	Inhalation

Exposure frequency :	Langzeit - systemisch
Limit value :	150 mg/m^3
Limit value type :	DNEL worker (systemic) (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	734 mg/m^3
Limit value type :	DNEL worker (systemic) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	180 mg/kg
Limit value type :	DNEL worker (systemic) (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	77 mg/m^3
Limit value type :	DNEL Consumer (systemic) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	62 mg/kg
Limit value type :	DNEL Consumer (systemic) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	200 mg/m^3
Limit value type :	DNEL Consumer (systemic) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	62 mg/kg
Limit value type :	DNEL worker (local) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - lokal
Limit value :	2420 mg/m^3
Limit value type :	DNEL worker (systemic) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	186 mg/kg
Limit value type :	DNEL worker (systemic) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	1210 mg/m^3
Limit value type :	DNEL worker (systemic) (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - systemisch
Limit value :	1210 mg/m^3
Limit value type :	DNEL Consumer (systemic) (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	300 mg/kg
Safety factor :	1 d
Limit value type :	DNEL Consumer (systemic) (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	900 mg/m^3
Limit value type :	DNEL Consumer (systemic) (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	300 mg/kg
Safety factor :	1 d
Limit value type :	DNEL worker (systemic) (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES,

	CYCLICS, < 2% AROMATES)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	300 mg/kg
Safety factor :	1 d
Limit value type :	DNEL worker (systemic) (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	1500 mg/m^3
Limit value type :	DNEL Consumer (local) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - lokal
Limit value :	950 mg/kg
Limit value type :	DNEL Consumer (local) (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - lokal
Limit value :	55 mg/m^3
Limit value type :	DNEL Consumer (systemic) (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	25 mg/kg
Limit value type :	DNEL Consumer (systemic) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	206 mg/kg
Limit value type :	DNEL Consumer (systemic) (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	319 mg/kg
Limit value type :	DNEL Consumer (systemic) (BUTANONE ; CAS No. : 78-93-3)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	31 mg/kg
Limit value type :	DNEL Consumer (systemic) (BUTANONE ; CAS No. : 78-93-3)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	412 mg/kg
Limit value type :	DNEL Consumer (systemic) (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	89 mg/m^3
Limit value type :	DNEL Consumer (systemic) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	114 mg/m^3
Limit value type :	DNEL Consumer (systemic) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	87 mg/kg
Limit value type :	DNEL Consumer (systemic) (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	26 mg/kg
Limit value type :	DNEL Consumer (systemic) (BUTANONE ; CAS No. : 78-93-3)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	106 mg/m^3
Limit value type :	DNEL worker (local) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Inhalation

Exposure frequency :	Kurzzeit - lokal
Limit value :	1900 mg/m³
Limit value type :	DNEL worker (local) (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - lokal
Limit value :	310 mg/m³
Limit value type :	DNEL worker (systemic) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	343 mg/kg
Limit value type :	DNEL worker (systemic) (BUTANONE ; CAS No. : 78-93-3)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	1161 mg/kg
Limit value type :	DNEL worker (systemic) (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	888 mg/kg
Limit value type :	DNEL worker (systemic) (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	500 mg/m³
Limit value type :	DNEL worker (systemic) (BUTANONE ; CAS No. : 78-93-3)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	600 mg/m³
Limit value type :	DNEL worker (systemic) (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	950 mg/m³
Limit value type :	DNEL Consumer (local) (METHANOL ; CAS No. : 67-56-1)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - systemisch und lokal
Limit value :	50 mg/m³
Limit value type :	DNEL Consumer (local) (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - lokal
Limit value :	226 mg/m³
Limit value type :	DNEL Consumer (local) (METHANOL ; CAS No. : 67-56-1)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch und lokal
Limit value :	50 mg/m³
Limit value type :	DNEL Consumer (systemic) (METHANOL ; CAS No. : 67-56-1)
Exposure route :	Dermal
Exposure frequency :	Kurzzeit - systemisch und lokal
Limit value :	8 mg/kg
Limit value type :	DNEL Consumer (systemic) (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - systemisch
Limit value :	226 mg/m³
Limit value type :	DNEL Consumer (systemic) (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	56,5 mg/m³
Limit value type :	DNEL Consumer (systemic) (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Oral
Exposure frequency :	Langzeit - systemisch
Limit value :	8,13 mg/kg
Safety factor :	1 d
Limit value type :	DNEL Consumer (systemic) (TOLUENE ; CAS No. : 108-88-3)

Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	226 mg/kg
Safety factor :	1 d
Limit value type :	DNEL worker (local) (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - lokal
Limit value :	384 mg/m^3
Limit value type :	DNEL worker (local) (METHANOL ; CAS No. : 67-56-1)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - systemisch und lokal
Limit value :	260 mg/m^3
Limit value type :	DNEL worker (local) (METHANOL ; CAS No. : 67-56-1)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch und lokal
Limit value :	260 mg/m^3
Limit value type :	DNEL worker (local) (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - lokal
Limit value :	192 mg/m^3
Limit value type :	DNEL worker (systemic) (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Inhalation
Exposure frequency :	Kurzzeit - systemisch
Limit value :	384 mg/m^3
Limit value type :	DNEL worker (systemic) (METHANOL ; CAS No. : 67-56-1)
Exposure route :	Dermal
Exposure frequency :	Kurzzeit - systemisch und lokal
Limit value :	40 mg/kg
Limit value type :	DNEL worker (systemic) (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Inhalation
Exposure frequency :	Langzeit - systemisch
Limit value :	192 mg/m^3
Limit value type :	DNEL worker (systemic) (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Dermal
Exposure frequency :	Langzeit - systemisch
Limit value :	384 mg/kg
Safety factor :	1 d

PNEC

Limit value type :	PNEC aquatic, freshwater (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Limit value :	10 mg/l
Limit value type :	PNEC aquatic, marine water (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Limit value :	1 mg/l
Limit value type :	PNEC sediment, freshwater (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Limit value :	41,6 mg/kg
Limit value type :	PNEC sediment, marine water (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Limit value :	4,17 mg/kg
Limit value type :	PNEC soil, freshwater (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Limit value :	2,47 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Limit value :	100 mg/l
Limit value type :	PNEC aquatic, freshwater (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,18 mg/l
Limit value type :	PNEC aquatic, freshwater (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Limit value :	0,635 mg/l
Limit value type :	PNEC aquatic, intermittent release (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Limit value :	6,35 mg/l
Limit value type :	PNEC aquatic, intermittent release (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,36 mg/l

Limit value type :	PNEC aquatic, marine water (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,018 mg/l
Limit value type :	PNEC aquatic, marine water (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Limit value :	0,0635 mg/l
Limit value type :	PNEC sediment, freshwater (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Limit value :	3,29 mg/kg
Limit value type :	PNEC sediment, freshwater (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,981 mg/kg
Limit value type :	PNEC sediment, marine water (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,0981 mg/kg
Limit value type :	PNEC sediment, marine water (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Limit value :	0,29 mg/kg
Limit value type :	PNEC soil, freshwater (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Limit value :	0,29 mg/kg
Limit value type :	PNEC soil, freshwater (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	0,0903 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Limit value :	35,6 mg/l
Limit value type :	PNEC sewage treatment plant (STP) (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Limit value :	100 mg/l
Limit value type :	PNEC aquatic, freshwater (ETHYL ACETATE ; CAS No. : 141-78-6)
Limit value :	0,26 mg/l
Limit value type :	PNEC aquatic, freshwater (XYLENE ; CAS No. : 1330-20-7)
Limit value :	0,327 mg/l
Limit value type :	PNEC aquatic, intermittent release (XYLENE ; CAS No. : 1330-20-7)
Limit value :	0,327 mg/l
Limit value type :	PNEC aquatic, marine water (XYLENE ; CAS No. : 1330-20-7)
Limit value :	0,327 mg/l
Limit value type :	PNEC aquatic, marine water (ETHYL ACETATE ; CAS No. : 141-78-6)
Limit value :	0,026 mg/l
Limit value type :	PNEC sediment, freshwater (ETHYL ACETATE ; CAS No. : 141-78-6)
Limit value :	0,34 mg/kg
Limit value type :	PNEC sediment, freshwater (XYLENE ; CAS No. : 1330-20-7)
Limit value :	12,46 mg/kg
Limit value type :	PNEC sediment, marine water (XYLENE ; CAS No. : 1330-20-7)
Limit value :	12,46 mg/kg
Limit value type :	PNEC sediment, marine water (ETHYL ACETATE ; CAS No. : 141-78-6)
Limit value :	0,034 mg/kg
Limit value type :	PNEC soil, freshwater (ETHYL ACETATE ; CAS No. : 141-78-6)
Limit value :	0,22 mg/kg
Limit value type :	PNEC soil, freshwater (XYLENE ; CAS No. : 1330-20-7)
Limit value :	2,31 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) (XYLENE ; CAS No. : 1330-20-7)
Limit value :	6,58 mg/l
Limit value type :	PNEC sewage treatment plant (STP) (ETHYL ACETATE ; CAS No. : 141-78-6)
Limit value :	650 mg/l
Limit value type :	PNEC aquatic, freshwater (ACETONE ; CAS No. : 67-64-1)
Limit value :	10,6 mg/l
Limit value type :	PNEC aquatic, marine water (ACETONE ; CAS No. : 67-64-1)
Limit value :	1,06 mg/l
Limit value type :	PNEC zeitweise Freisetzung (ACETONE ; CAS No. : 67-64-1)
Exposure route :	sporadische Freisetzung
Limit value :	21 mg/l
Limit value type :	PNEC sediment, freshwater (ACETONE ; CAS No. : 67-64-1)
Limit value :	30,4 mg/kg
Limit value type :	PNEC sediment, marine water (ACETONE ; CAS No. : 67-64-1)

Limit value :	3,04 mg/kg
Limit value type :	PNEC soil, freshwater (ACETONE ; CAS No. : 67-64-1)
Limit value :	29,5 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) (ACETONE ; CAS No. : 67-64-1)
Limit value :	100 mg/l
Limit value type :	PNEC aquatic, freshwater (BUTANONE ; CAS No. : 78-93-3)
Limit value :	55,8 mg/l
Limit value type :	PNEC aquatic, freshwater (ETHANOL ; CAS No. : 64-17-5)
Limit value :	0,96 mg/l
Limit value type :	PNEC aquatic, freshwater (PROPAN-2-OL ; CAS No. : 67-63-0)
Limit value :	140,9 mg/l
Limit value type :	PNEC aquatic, freshwater (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Limit value :	0,4 mg/l
Limit value type :	PNEC aquatic, marine water (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Limit value :	0,04 mg/l
Limit value type :	PNEC aquatic, marine water (PROPAN-2-OL ; CAS No. : 67-63-0)
Limit value :	140,9 mg/l
Limit value type :	PNEC aquatic, marine water (ETHANOL ; CAS No. : 64-17-5)
Limit value :	0,79 mg/l
Limit value type :	PNEC aquatic, marine water (BUTANONE ; CAS No. : 78-93-3)
Limit value :	55,8 mg/l
Limit value type :	PNEC zeitweise Freisetzung (BUTANONE ; CAS No. : 78-93-3)
Limit value :	55,8 mg/l
Limit value type :	PNEC zeitweise Freisetzung (PROPAN-2-OL ; CAS No. : 67-63-0)
Limit value :	140,9 mg/l
Limit value type :	PNEC zeitweise Freisetzung (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Limit value :	11 mg/l
Limit value type :	PNEC sediment, freshwater (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Limit value :	1,52 mg/kg
Limit value type :	PNEC sediment, freshwater (PROPAN-2-OL ; CAS No. : 67-63-0)
Limit value :	552 mg/kg
Limit value type :	PNEC sediment, freshwater (BUTANONE ; CAS No. : 78-93-3)
Limit value :	284,74 mg/kg
Limit value type :	PNEC sediment, freshwater (ETHANOL ; CAS No. : 64-17-5)
Limit value :	3,6 mg/kg
Limit value type :	PNEC sediment, marine water (ETHANOL ; CAS No. : 64-17-5)
Limit value :	2,9 mg/kg
Limit value type :	PNEC sediment, marine water (BUTANONE ; CAS No. : 78-93-3)
Limit value :	287,7 mg/kg
Limit value type :	PNEC sediment, marine water (PROPAN-2-OL ; CAS No. : 67-63-0)
Limit value :	552 mg/kg
Limit value type :	PNEC sediment, marine water (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Limit value :	0,125 mg/kg
Limit value type :	PNEC soil, freshwater (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Limit value :	0,0699 mg/kg
Limit value type :	PNEC soil, freshwater (PROPAN-2-OL ; CAS No. : 67-63-0)
Limit value :	28 mg/kg
Limit value type :	PNEC soil, freshwater (BUTANONE ; CAS No. : 78-93-3)
Limit value :	22,5 mg/kg
Limit value type :	PNEC soil, freshwater (ETHANOL ; CAS No. : 64-17-5)
Limit value :	0,63 mg/kg
Limit value type :	PNEC Secondary Poisoning (ETHANOL ; CAS No. : 64-17-5)
Limit value :	0,72 mg/kg
Limit value type :	PNEC Secondary Poisoning (PROPAN-2-OL ; CAS No. : 67-63-0)
Limit value :	160 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) (PROPAN-2-OL ; CAS No. : 67-63-0)
Limit value :	2251 mg/l
Limit value type :	PNEC sewage treatment plant (STP) (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Limit value :	10 mg/l
Limit value type :	PNEC sewage treatment plant (STP) (ETHANOL ; CAS No. : 64-17-5)

Limit value :	580 mg/l
Limit value type :	PNEC sewage treatment plant (STP) (BUTANONE ; CAS No. : 78-93-3)
Limit value :	709 mg/l
Limit value type :	PNEC aquatic, freshwater (TOLUENE ; CAS No. : 108-88-3)
Limit value :	0,68 mg/l
Limit value type :	PNEC aquatic, freshwater (METHANOL ; CAS No. : 67-56-1)
Limit value :	20,8 mg/l
Limit value type :	PNEC aquatic, intermittent release (METHANOL ; CAS No. : 67-56-1)
Limit value :	1540 mg/l
Limit value type :	PNEC aquatic, marine water (METHANOL ; CAS No. : 67-56-1)
Limit value :	2,08 mg/l
Limit value type :	PNEC sediment, freshwater (METHANOL ; CAS No. : 67-56-1)
Limit value :	77 mg/kg
Limit value type :	PNEC sediment, freshwater (TOLUENE ; CAS No. : 108-88-3)
Limit value :	16,39 mg/kg
Limit value type :	PNEC sediment, marine water (METHANOL ; CAS No. : 67-56-1)
Limit value :	7,7 mg/kg
Limit value type :	PNEC soil, freshwater (METHANOL ; CAS No. : 67-56-1)
Limit value :	3,18 mg/kg
Limit value type :	PNEC soil, freshwater (TOLUENE ; CAS No. : 108-88-3)
Limit value :	2,89 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) (TOLUENE ; CAS No. : 108-88-3)
Limit value :	13,61 mg/l
Limit value type :	PNEC sewage treatment plant (STP) (METHANOL ; CAS No. : 67-56-1)
Limit value :	100 mg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

Suitable gloves type : Gloves with long cuffs

Suitable material : Barrier (PE/PA/PE)

Breakthrough time : >= 480 min

Thickness of the glove material : 0,7 mm

Recommended glove articles : DIN EN 374

Additional hand protection measures : Check leak tightness/impermeability prior to use. Do not wear gloves near rotary machines and tools. In the case of wanting to use the gloves again, clean them before taking off and air them well.

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

Body protection

lab coat Overall

Suitable protective clothing : For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Chemical resistant safety shoes Only wear fitting, comfortable and clean protective clothing.

Required properties : antistatic. flame-resistant heat-resistant

Recommended material : Natural fibres (e.g. cotton) heat-resistant synthetic fibres

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: exceeding exposure limit values / aerosol or mist formation.

Suitable respiratory protection apparatus

Self-contained respirator (breathing apparatus) (DIN EN 133). A

General health and safety measures

Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : light yellow
Odour : characteristic

Safety relevant basis data

Melting point/melting range :			not determined		
Initial boiling point and boiling range :	(1013 hPa)		55,0 - 185,0	°C	
Decomposition temperature :			No data available		
Flash point :		approx.	-10,0	°C	DIN 51755 part 1
Ignition temperature :		>	200,0	°C	
Oxidising liquids :			No data available.		
Lower explosion limit :			1,0	Vol-%	
Upper explosion limit :			36,5	Vol-%	
Explosive properties :			No data available.		
Vapour pressure 20°C):	(20 °C)		No data available		
Density :	(20 °C)	approx.	0,847	g/cm^3	
Water solubility :	(20 °C)		partially miscible		
pH-value:	(20 °C / conc.)		not applicable		
log P O/W :			No data available		
Cinematic viscosity :	(40 °C)	<	20,5	mm^2/s	
Odour threshold :			No data available		
Relative vapour density :	(20 °C)		No data available		(air = 1)
Vapourisation rate :			No data available		
Maximum VOC content (EC) :	(20 °C)		100,0	Wt %	gem. RL 1999/13/EG
Max. VOC content (Decopaint):	(20 °C)		100,0	Wt %	gem. RL 2004/42/EG

9.2 Other information

no more data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

10.3 Possibility of hazardous reactions

Formation of explosive mixtures with: Air. possible

10.4 Conditions to avoid

Heat, sparks, flames and other ignition sources.

10.5 Incompatible materials

Alkali (lye), concentrated. Acid, concentrated. Oxidising agent, strong.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

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

Acute oral toxicity

Parameter :	LD50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Oral
Species :	Rat
Effective dose :	4016 mg/kg
Parameter :	LD50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Oral
Species :	Rat
Effective dose :	10760 mg/kg
Method :	OECD 423
Parameter :	LD50 (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (HYDROCARBONS, C9, AROMATES)
Exposure route :	Oral
Species :	Rat
Effective dose :	3592 mg/kg
Method :	OECD 401
Parameter :	LD50 (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Oral
Species :	Mouse
Effective dose :	4100 mg/kg
Parameter :	LD50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Oral
Species :	Rat
Effective dose :	3523 mg/kg
Parameter :	LD50 (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Oral
Species :	Rat
Effective dose :	5620 mg/kg
Parameter :	LD50 (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Oral
Species :	Rabbit
Effective dose :	4934 mg/kg
Parameter :	LD50 (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	5800 mg/kg
Method :	OECD 401
Parameter :	LD50 (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Method :	OECD 401
Parameter :	LD50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Oral
Species :	Rat
Effective dose :	4570 mg/kg
Parameter :	LD50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	3350 mg/kg
Method :	OECD 401
Parameter :	LD50 (BUTANONE ; CAS No. : 78-93-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2193 mg/kg

Method :	OECD 423
Parameter :	LD50 (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Method :	OECD 401
Parameter :	LD50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	790 mg/kg
Parameter :	LD50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Oral
Species :	Male
Effective dose :	> 2830 mg/kg
Method :	OECD 401
Parameter :	LD50 (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	5580 mg/kg
Method :	OECD 401
Parameter :	LD50 (METHANOL ; CAS No. : 67-56-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	2769 mg/kg

Acute dermal toxicity

Parameter :	LD50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	2000 mg/kg
Parameter :	LD50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 14112 mg/kg
Method :	OECD 402
Parameter :	LD50 (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Exposure route :	Dermal
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (HYDROCARBONS, C9, AROMATES)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 3160 mg/kg
Method :	OECD 402
Parameter :	LD50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	12126 mg/kg
Parameter :	LD50 (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	18000 mg/kg
Parameter :	LD50 (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 15800 mg/kg
Parameter :	LD50 (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg
Method :	OECD 402

Parameter :	LD50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (BUTANONE ; CAS No. : 78-93-3)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg
Method :	OECD 402
Parameter :	LD50 (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg
Method :	OECD 402
Parameter :	LD50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg
Method :	OECD 402
Parameter :	LD50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	3400 mg/kg
Parameter :	LD50 (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	12124 mg/kg
Parameter :	LD50 (METHANOL ; CAS No. : 67-56-1)
Exposure route :	Dermal
Species :	Rat
Effective dose :	17100 mg/kg

Acute inhalation toxicity

Parameter :	LC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	27,596 mg/l
Exposure time :	6 h
Parameter :	LC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	23,4 mg/l
Exposure time :	4 h
Method :	OECD 403
Parameter :	LC0 (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Exposure route :	Inhalative (vapour)
Species :	Rat
Effective dose :	> 20 mg/l
Exposure time :	6 h
Parameter :	LC50 (XYLENE ; CAS No. : 1330-20-7)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	27123 mg/m^3
Exposure time :	4 h
Parameter :	LD50 (ETHYL ACETATE ; CAS No. : 141-78-6)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	58 mg/l
Exposure time :	8 h
Parameter :	LC50 (ACETONE ; CAS No. : 67-64-1)
Exposure route :	Inhalation

Species :	Rat
Effective dose :	76 mg/l
Exposure time :	4 h
Parameter :	LC50 (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 4951 mg/m^3
Exposure time :	4 h
Method :	OECD 403
Parameter :	LC50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 18,18 mg/l
Exposure time :	6 h
Parameter :	LC50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	30 mg/l
Exposure time :	4 h
Parameter :	LC50 (BUTANONE ; CAS No. : 78-93-3)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	34 mg/l
Exposure time :	4 h
Parameter :	LC50 (ETHANOL ; CAS No. : 64-17-5)
Exposure route :	Inhalation
Species :	Mouse
Effective dose :	> 20 mg/l
Exposure time :	4 h
Parameter :	LC50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	8000 ppm
Parameter :	LC50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	47,5 mg/l
Exposure time :	8 h
Parameter :	LC50 (TOLUENE ; CAS No. : 108-88-3)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	31 mg/l
Exposure time :	4 h
Method :	OECD 403
Parameter :	LC50 (METHANOL ; CAS No. : 67-56-1)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	128,2 mg/l
Exposure time :	4 h

Irritant and corrosive effects

Primary irritation to the skin

Parameter :	Primary irritation to the skin (ETHANOL ; CAS No. : 64-17-5)
Species :	Rabbit
Result :	Not irritant
Method :	OECD 404
Parameter :	Primary irritation to the skin (TOLUENE ; CAS No. : 108-88-3)
Species :	Rabbit
Result :	Irritant

Method : OECD 404
Causes skin irritation.

Irritation to eyes

Parameter : Irritation to eyes (ETHANOL ; CAS No. : 64-17-5)
Species : Rabbit
Result : irritant
Method : OECD 405
Parameter : Irritation to eyes (TOLUENE ; CAS No. : 108-88-3)
Species : Rabbit
Result : Not an irritant
Method : OECD 405
Causes serious eye damage.

Sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

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

Germ cell mutagenicity

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

Reproductive toxicity

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

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

There are no data available on the preparation/mixture itself.

11.4 Other adverse effects

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc. Has degreasing effect on the skin.

11.5 Additional information

The product is classified and labelled according to EC directives or corresponding national laws. Classification according to Regulation (EC) No 1272/2008 [CLP] Toxicological data are not available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Harmful to aquatic life with long lasting effects.

Acute (short-term) fish toxicity

Parameter : LC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Species : Leuciscus idus (golden orfe)
Effective dose : 6812 mg/l
Exposure time : 96 h
Parameter : LC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Species : Pimephales promelas (fathead minnow)
Effective dose : 18 mg/l
Exposure time : 96 h
Method : OECD 203
Parameter : LC50 (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose :	134 mg/l
Exposure time :	96 h
Method :	OECD 203
Parameter :	LC50 (ETHYL ACETATE ; CAS No. : 141-78-6)
Species :	Pimephales promelas (fathead minnow)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	230 mg/l
Exposure time :	96 h
Parameter :	LC50 (XYLENE ; CAS No. : 1330-20-7)
Species :	Oncorhynchus mykiss (Rainbow trout)
Effective dose :	7,6 mg/l
Exposure time :	96 h
Parameter :	LL50 (HYDROCARBONS, C9, AROMATES)
Species :	Oncorhynchus mykiss (Rainbow trout)
Effective dose :	9,2 mg/l
Exposure time :	96 h
Parameter :	LC50 (ACETONE ; CAS No. : 67-64-1)
Species :	Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter :	Süßwasser
Effective dose :	5540 mg/l
Exposure time :	96 h
Method :	statischer Test
Parameter :	LC50 (ACETONE ; CAS No. : 67-64-1)
Species :	Alburnus alburnus (alburnum)
Evaluation parameter :	Meerwasser
Effective dose :	11000 mg/l
Exposure time :	96 h
Method :	statischer Test
Parameter :	NOELR (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Species :	Oncorhynchus mykiss (Rainbow trout)
Effective dose :	10 - 30 mg/l
Exposure time :	96 h
Parameter :	LC50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Species :	Pimephales promelas (fathead minnow)
Effective dose :	9640 mg/l
Exposure time :	96 h
Parameter :	LC50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Species :	Pimephales promelas (fathead minnow)
Effective dose :	1430 mg/l
Exposure time :	96 h
Parameter :	LC50 (BUTANONE ; CAS No. : 78-93-3)
Species :	Pimephales promelas (fathead minnow)
Effective dose :	2990 mg/l
Exposure time :	96 h
Method :	OECD 203
Parameter :	LC50 (ETHANOL ; CAS No. : 64-17-5)
Species :	Leuciscus idus (golden orfe)
Effective dose :	> 100 mg/l
Exposure time :	48 h
Method :	OECD 203
Parameter :	LC50 (TOLUENE ; CAS No. : 108-88-3)
Species :	Oncorhynchus kisutch (Lachs)
Effective dose :	5,5 mg/l
Exposure time :	96 h
Parameter :	LC50 (METHANOL ; CAS No. : 67-56-1)
Species :	Lepomis macrochirus (Bluegill)
Effective dose :	15400 mg/l
Exposure time :	96 h

Chronic (long-term) fish toxicity

Parameter :	NOEC (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Species :	Oryzias latipes (roter Killifisch)
Effective dose :	47,5 mg/l
Exposure time :	14 d
Method :	OECD 204
Parameter :	NOEC (TOLUENE ; CAS No. : 108-88-3)
Species :	Oncorhynchus kisutch (Lachs)
Effective dose :	1,39 mg/l
Exposure time :	40 d

Acute (short-term) daphnia toxicity

Parameter :	EC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Species :	Daphnia magna (Big water flea)
Effective dose :	23300 mg/l
Exposure time :	48 h
Parameter :	EC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Species :	Daphnia magna (Big water flea)
Effective dose :	44 mg/l
Exposure time :	48 h
Parameter :	EC50 (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Species :	Daphnia magna (Big water flea)
Effective dose :	> 500 mg/l
Exposure time :	48 h
Method :	Richtlinie 67/548/EWG, Anhang V, C.2.
Parameter :	EC50 (ETHYL ACETATE ; CAS No. : 141-78-6)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	717 mg/l
Exposure time :	48 h
Method :	DIN 38412 / part 11
Parameter :	EC50 (XYLENE ; CAS No. : 1330-20-7)
Species :	Daphnia magna (Big water flea)
Effective dose :	3,82 mg/l
Exposure time :	48 h
Parameter :	EL50 (HYDROCARBONS, C9, AROMATES)
Species :	Daphnia magna (Big water flea)
Effective dose :	3,2 mg/l
Exposure time :	48 h
Parameter :	LC50 (ACETONE ; CAS No. : 67-64-1)
Species :	Daphnia pulex (water flea)
Evaluation parameter :	Süßwasser
Effective dose :	8800 mg/l
Exposure time :	48 h
Method :	statischer Test
Parameter :	LC50 (ACETONE ; CAS No. : 67-64-1)
Species :	Artemia salina
Evaluation parameter :	Meerwasser
Effective dose :	2100 mg/l
Exposure time :	24 h
Method :	statischer Test
Parameter :	NOELR (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Species :	Daphnia magna (Big water flea)
Effective dose :	22 - 46 mg/l
Exposure time :	48 h
Parameter :	EC50 (ETHANOL ; CAS No. : 64-17-5)
Species :	Daphnia magna (Big water flea)
Effective dose :	> 100 mg/l
Exposure time :	24 h
Method :	OECD 202
Parameter :	EC50 (PROPAN-2-OL ; CAS No. : 67-63-0)

Species :	Daphnia magna (Big water flea)
Effective dose :	13299 mg/l
Exposure time :	48 h
Parameter :	EC50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Species :	Daphnia pulex (water flea)
Effective dose :	1100 mg/l
Exposure time :	48 h
Parameter :	EC50 (BUTANONE ; CAS No. : 78-93-3)
Species :	Daphnia magna (Big water flea)
Effective dose :	308 mg/l
Exposure time :	48 h
Method :	OECD 202
Parameter :	EC50 (METHANOL ; CAS No. : 67-56-1)
Species :	Daphnia magna (Big water flea)
Effective dose :	> 10000 mg/l
Exposure time :	48 h
Parameter :	EC50 (TOLUENE ; CAS No. : 108-88-3)
Species :	Daphnia magna (Big water flea)
Effective dose :	10 - 100 mg/l
Exposure time :	96 h
Parameter :	LC50 (TOLUENE ; CAS No. : 108-88-3)
Species :	ceriodaphnia dubia
Effective dose :	3,78 mg/l
Exposure time :	48 h

Chronic (long-term) daphnia toxicity

Parameter :	NOEC (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Species :	Daphnia magna (Big water flea)
Effective dose :	=> 100 mg/l
Exposure time :	21 d
Method :	OECD 202, Teil 2
Parameter :	NOEC (ACETONE ; CAS No. : 67-64-1)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Süßwasser
Effective dose :	2212 mg/l
Exposure time :	28 d
Parameter :	NOEC (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Species :	Daphnia magna (Big water flea)
Effective dose :	20 mg/l
Exposure time :	21 d
Parameter :	NOEC (TOLUENE ; CAS No. : 108-88-3)
Species :	ceriodaphnia dubia
Effective dose :	0,74 mg/l
Exposure time :	7 d

Acute (short-term) algae toxicity

Parameter :	EC50 (1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2)
Species :	Pseudokirchneriella subcapitata
Effective dose :	1000 mg/l
Exposure time :	7 d
Parameter :	EC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Species :	Desmodesmus subspicatus
Effective dose :	647,7 mg/l
Exposure time :	72 h
Parameter :	EC50 (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Species :	Selenastrum capricornutum
Effective dose :	> 1000 mg/l
Exposure time :	72 h
Method :	OECD 201
Parameter :	EC50 (XYLENE ; CAS No. : 1330-20-7)
Species :	Pseudokirchneriella subcapitata
Effective dose :	4,7 mg/l

Exposure time :	72 h
Parameter :	EC50 (ETHYL ACETATE ; CAS No. : 141-78-6)
Species :	Desmodesmus subspicatus
Evaluation parameter :	Acute (short-term) algae toxicity
Effective dose :	3300 mg/l
Exposure time :	48 h
Parameter :	EL50 (HYDROCARBONS, C9, AROMATES)
Species :	Pseudokirchneriella subcapitata
Effective dose :	2,629 mg/l
Exposure time :	72 h
Parameter :	NOEC (ACETONE ; CAS No. : 67-64-1)
Species :	Microcystis aeruginosa
Evaluation parameter :	Süßwasser
Effective dose :	530 mg/l
Exposure time :	8 d
Method :	statischer Test
Parameter :	NOEC (ACETONE ; CAS No. : 67-64-1)
Species :	Prorocentrum minimum
Evaluation parameter :	Meerwasser
Effective dose :	430 mg/l
Exposure time :	96 h
Parameter :	NOELR (HYDROCARBONS, C9-C10, N-ALKANES, ISO-ALKANES, CYCLICS, < 2% AROMATES)
Species :	Pseudokirchneriella subcapitata
Effective dose :	> 1000 mg/l
Exposure time :	72 h
Parameter :	EC50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Species :	Scenedesmus subspicatus
Effective dose :	> 1000 mg/l
Exposure time :	72 h
Parameter :	EC50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Species :	Pseudokirchneriella subcapitata
Evaluation parameter :	Inhibition of biomass development
Effective dose :	632 mg/l
Exposure time :	72 h
Method :	OECD 201
Parameter :	EC50 (BUTANONE ; CAS No. : 78-93-3)
Species :	Pseudokirchneriella subcapitata
Effective dose :	1972 mg/l
Exposure time :	72 h
Method :	OECD 201
Parameter :	EC50 (ETHANOL ; CAS No. : 64-17-5)
Species :	Chlorella pyrenoidosa
Effective dose :	> 100 mg/l
Method :	OECD 201
Parameter :	EC50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Species :	Pseudokirchneriella subcapitata
Evaluation parameter :	Inhibition of growth rate
Effective dose :	1799 mg/l
Exposure time :	72 h
Method :	OECD 201
Parameter :	NOEC (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Species :	Pseudokirchneriella subcapitata
Effective dose :	53 mg/l
Exposure time :	72 h
Method :	OECD 201
Parameter :	EC50 (TOLUENE ; CAS No. : 108-88-3)
Species :	Chlorella vulgaris
Effective dose :	134 mg/l
Exposure time :	3 h

Chronic (long-term) algae toxicity

Parameter :	NOEC (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Species :	Desmodesmus subspicatus
Effective dose :	200 mg/l
Exposure time :	72 h
Parameter :	NOEC (ETHYL ACETATE ; CAS No. : 141-78-6)
Species :	Desmodesmus subspicatus
Evaluation parameter :	Chronic (long-term) algae toxicity
Effective dose :	> 100 mg/l
Exposure time :	72 h

Bacteria toxicity

Parameter :	EC10 (2-METHOXY-1-METHYLETHYL ACETATE ; CAS No. : 108-65-6)
Species :	Belebtschlamm
Effective dose :	> 1000 mg/l
Exposure time :	0,5 h
Method :	OECD 209
Parameter :	EC50 (XYLENE ; CAS No. : 1330-20-7)
Species :	Belebtschlamm
Effective dose :	> 175 mg/l
Parameter :	EC3 (ETHYL ACETATE ; CAS No. : 141-78-6)
Species :	Pseudomonas putida
Effective dose :	650 mg/l
Exposure time :	16 h
Parameter :	EC12 (ACETONE ; CAS No. : 67-64-1)
Species :	Belebtschlamm
Effective dose :	1000 mg/l
Exposure time :	30 min
Parameter :	EC0 (BUTANONE ; CAS No. : 78-93-3)
Species :	Pseudomonas putida
Effective dose :	1150 mg/l
Exposure time :	16 h
Method :	DIN 38412 / part 8
Parameter :	EC10 (PROPAN-2-OL ; CAS No. : 67-63-0)
Species :	Pseudomonas putida
Effective dose :	5175 mg/l
Exposure time :	18 h
Parameter :	EC50 (TOLUENE ; CAS No. : 108-88-3)
Species :	Nitrosomonas sp
Effective dose :	84 mg/l
Exposure time :	24 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Parameter :	Bioconcentration factor (BCF) (XYLENE ; CAS No. : 1330-20-7)
Concentration :	25,9
Parameter :	Bioconcentration factor (BCF) (TOLUENE ; CAS No. : 108-88-3)
Concentration :	90
Evaluation :	niedriges Bioakkumulationspotential
Parameter :	Partition coefficient n-octanol /water (log P O/W) (ACETONE ; CAS No. : 67-64-1)
Concentration :	< 1
Evaluation :	niedriges Bioakkumulationspotential
Parameter :	Partition coefficient n-octanol /water (log P O/W) (BUTANONE ; CAS No. : 78-93-3)
Concentration :	<= 4
Evaluation :	niedriges Bioakkumulationspotential
Parameter :	Partition coefficient n-octanol /water (log P O/W) (ETHANOL ; CAS No. : 64-17-5)
Concentration :	<= 4
Evaluation :	niedriges Bioakkumulationspotential
Parameter :	Partition coefficient n-octanol /water (log P O/W) (TOLUENE ; CAS No. : 108-88-3)
Concentration :	2,65

Parameter : Log KOC (TOLUENE ; CAS No. : 108-88-3)
Concentration : 2,73

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Other adverse effects
No information available.

12.7 Additional ecotoxicological information
None

SECTION 13: Disposal considerations

Dispose according to legislation.

13.1 Waste treatment methods
Product/Packaging disposal
Waste codes/waste designations according to EWC/AVV
Waste code product
Waste code (91/689/EEC) : 07 01 04*

13.2 Additional information
None

SECTION 14: Transport information

14.1 UN number
UN 1263

14.2 UN proper shipping name
Land transport (ADR/RID)
PAINT RELATED MATERIAL
Sea transport (IMDG)
PAINT RELATED MATERIAL
Air transport (ICAO-TI / IATA-DGR)
PAINT RELATED MATERIAL

14.3 Transport hazard class(es)
Land transport (ADR/RID)

Class(es) :	3
Classification code :	F1
Hazard identification number (Kemler No.) :	33
Tunnel restriction code :	D/E
Special provisions :	640D · LQ 5 l · E 2
Hazard label(s) :	3

Sea transport (IMDG)

Class(es) :	3
EmS-No. :	F-E / S-E
Special provisions :	LQ 5 l · E 2
Hazard label(s) :	3

Air transport (ICAO-TI / IATA-DGR)

Class(es) :	3
Special provisions :	E 2
Hazard label(s) :	3

14.4 Packing group
II

14.5 Environmental hazards
Land transport (ADR/RID) : No

Sea transport (IMDG) : No
Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user
None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not classified for this transport way.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU legislation
Authorisations and/or restrictions on use
Restrictions on use
TOLUENE ; CAS No. : 108-88-3 ; Annex XVII No. 48
National regulations
Störfallverordnung
For substances contained in the product
METHANOL ; CAS No. : 67-56-1 ; Category : 26
Technische Anleitung Luft (TA-Luft)
Weight fraction (Number 5.2.5. I) : < 5 %
Water hazard class (WGK)
Class : 2 (Significant hazardous to water) Classification according to AwSV

15.2 Chemical safety assessment
No information available.

15.3 Additional information
None

SECTION 16: Other information

16.1 Indication of changes
02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms
None

16.3 Key literature references and sources for data
None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.

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.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.