

# Safety Data Sheet

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

Trade name : SWIN 7798  
cleaning thinner (31797)  
Revision date : 03.03.2020  
Print date : 03.03.2020

Version (Revision) : 2.0.0 (1.0.0)

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

### 1.1 Product identifier

SWIN 7798  
cleaning thinner (31797)

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

#### Relevant identified uses

Washing and cleaning products (including solvent based products)

### 1.3 Details of the supplier of the safety data sheet

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

SWIN Lacksysteme  
Inh. Ludwig Schöne e.K

Street : Boschweg 5

Postal code/city : D-48351 Everswinkel

Telephone : +49(0)2582/67613

Telefax : +49(0)258267677

Information contact : info@swinsysteme.de

### 1.4 Emergency telephone number

Tel: +49 (0) 30 / 19 24 0 Giftnotrufzentrale Berlin

## 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 ; H335 - STOT-single exposure : Category 3 ; May cause respiratory irritation.

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

STOT RE 2 ; H373 - STOT-repeated exposure : Category 2 ; May cause damage to organs through prolonged or repeated exposure.

### 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

N-BUTYL ACETATE ; CAS No. : 123-86-4

XYLENE ; CAS No. : 1330-20-7

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1  
BUTAN-1-OL ; CAS No. : 71-36-3

### Hazard statements

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H318 Causes serious eye damage.  
H315 Causes skin irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P310 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.

### Additional information

P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. 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

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

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

N-BUTYL ACETATE ; REACH registration No. : 01-2119485493-29 ; EC No. : 204-658-1; CAS No. : 123-86-4

Weight fraction :  $\geq 20 - < 25$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H336

ETHYL ACETATE ; REACH registration No. : 01-2119475103-46 ; EC No. : 205-500-4; CAS No. : 141-78-6

Weight fraction :  $\geq 10 - < 20$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

ACETONE ; REACH registration No. : 01-2119471330-49 ; EC No. : 200-662-2; CAS No. : 67-64-1

Weight fraction :  $\geq 10 - < 20$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

XYLENE ; REACH registration No. : 01-2119488216-32 ; EC No. : 215-535-7; CAS No. : 1330-20-7

Weight fraction :  $\geq 10 - < 20$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT RE 2 ; H373 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ; REACH registration No. : 01-2119475514-35 ; EC No. : 921-024-6

Weight fraction :  $\geq 5 - < 10$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

PROPAN-2-OL ; REACH registration No. : 01-2119457558-25 ; EC No. : 200-661-7; CAS No. : 67-63-0

Weight fraction :  $\geq 5 - < 10$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

1-METHOXY-2-PROPANOL ; REACH registration No. : 01-2119457435-35 ; EC No. : 203-539-1; CAS No. : 107-98-2

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020  
**Version (Revision) :** 2.0.0 (1.0.0)

Weight fraction :  $\geq 5 - < 10$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 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 :  $\geq 3 - < 5$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 STOT SE 3 ; H336  
ETHYLBENZENE ; EC No. : 202-849-4 ; CAS No. : 100-41-4  
Weight fraction :  $\geq 0,5 - < 5$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 STOT RE 2 ; H373 Acute Tox. 4 ; H332  
BUTAN-1-OL ; EC No. : 200-751-6 ; CAS No. : 71-36-3  
Weight fraction :  $\geq 3 - < 5$  %  
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  
2-METHOXY-1-METHYLETHYL ACETATE ; REACH registration No. : 01-2119475791-29 ; EC No. : 203-603-9 ; CAS No. : 108-65-6  
Weight fraction :  $\geq 0,5 - < 5$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H336  
Substance with a Community workplace exposure limit  
TOLUENE ; REACH registration No. : 01-2119471310-51 ; EC No. : 203-625-9 ; CAS No. : 108-88-3  
Weight fraction :  $\geq 1 - < 3$  %  
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  
Hydrocarbons, C9, aromates, < 0.1% benzene ; REACH registration No. : 01-2119455851-35 ; EC No. : 918-668-5 ; CAS No. : 64742-95-6  
Weight fraction :  $\geq 0,5 - < 2,5$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H335 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

### 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. Observe risk of aspiration if vomiting occurs. If unconscious place in recovery position and seek medical advice. Remove contaminated, saturated clothing immediately.

#### Following inhalation

Inhalation of vapours or spray/mists

Consult a doctor immediately in the case of inhaling spray mist and show him packing or label. Provide fresh air.

#### In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting. Call a physician immediately.

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

Dizziness Headache Nausea Impairment of vision Vomiting

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

None

# Safety Data Sheet

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

Trade name : SWIN 7798  
cleaning thinner  
Revision date : 03.03.2020  
Print date : 03.03.2020

Version (Revision) : 2.0.0 (1.0.0)

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

alcohol resistant foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>) Water spray

##### Unsuitable extinguishing media

Full water jet

#### 5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Pyrolysis products, toxic Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

#### 5.3 Advice for firefighters

Do not inhale explosion and combustion gases.

Special protective equipment for firefighters

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

#### 5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

##### For non-emergency personnel

Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

##### For emergency responders

Use appropriate respiratory protection. Remove persons to safety. Prevent spread over a wide area (e.g. by containment or oil barriers).

#### 6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

#### 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

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

### SECTION 7: Handling and storage



#### 7.1 Precautions for safe handling

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. 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 must be ventilated by technical means. Only use the material in places where open light, fire and other flammable sources can be kept away. Wear personal protection equipment (refer to section 8). Avoid: generation/formation of

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

aerosols

It is recommended to design all work processes always so that the following is excluded: Inhalation Skin contact Eye contact

### Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists Skin contact Eye contact 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 must 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 (TRGS 510) :** 3

### Further information on storage conditions

Keep container tightly closed. Keep/Store only in original container.

## 7.3 Specific end use(s)

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

N-BUTYL ACETATE ; CAS No. : 123-86-4

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 62 ppm / 300 mg/m<sup>3</sup>

Peak limitation : 2(I)

Remark : Y

Version : 07.06.2018

ETHYL ACETATE ; CAS No. : 141-78-6

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 200 ppm / 730 mg/m<sup>3</sup>

Peak limitation : 2(I)

Remark : Y

Version : 07.06.2018

Limit value type (country of origin) : STEL ( EC )

Limit value : 400 ppm / 1468 mg/m<sup>3</sup>

Version : 31.01.2018

Limit value type (country of origin) : TWA ( EC )

Limit value : 200 ppm / 734 mg/m<sup>3</sup>

Version : 31.01.2018

ACETONE ; CAS No. : 67-64-1

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 500 ppm / 1200 mg/m<sup>3</sup>

Peak limitation : 2(I)

Remark : Y

Version : 07.06.2018

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

Limit value type (country of origin) : TWA ( EC )  
Limit value : 500 ppm / 1210 mg/m<sup>3</sup>  
Version : 31.01.2018

XYLENE ; CAS No. : 1330-20-7

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 100 ppm / 440 mg/m<sup>3</sup>  
Peak limitation : 2(II)  
Remark : H  
Version : 07.06.2018

Limit value type (country of origin) : STEL ( EC )  
Limit value : 100 ppm / 442 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018

Limit value type (country of origin) : TWA ( EC )  
Limit value : 50 ppm / 221 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018

NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 600 mg/m<sup>3</sup>  
Version : 29.03.2019

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 200 ppm / 500 mg/m<sup>3</sup>  
Peak limitation : 2(II)  
Remark : Y  
Version : 07.06.2018

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<sup>3</sup>  
Peak limitation : 2(I)  
Remark : Y  
Version : 07.06.2018

Limit value type (country of origin) : STEL ( EC )  
Limit value : 150 ppm / 568 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018

Limit value type (country of origin) : TWA ( EC )  
Limit value : 100 ppm / 375 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018

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<sup>3</sup>  
Peak limitation : 1(I)  
Remark : Y  
Version : 07.06.2018

ETHYLBENZENE ; CAS No. : 100-41-4

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 20 ppm / 88 mg/m<sup>3</sup>  
Peak limitation : 2(II)  
Remark : H, Y  
Version : 07.06.2018

Limit value type (country of origin) : STEL ( EC )

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

Limit value : 200 ppm / 884 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018  
Limit value type (country of origin) : TWA ( EC )  
Limit value : 100 ppm / 442 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018

BUTAN-1-OL ; CAS No. : 71-36-3

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 100 ppm / 310 mg/m<sup>3</sup>  
Peak limitation : 1(I)  
Remark : Y  
Version : 07.06.2018

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<sup>3</sup>  
Peak limitation : 1(I)  
Remark : Y  
Version : 07.06.2018

Limit value type (country of origin) : STEL ( EC )  
Limit value : 100 ppm / 550 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018

Limit value type (country of origin) : TWA ( EC )  
Limit value : 50 ppm / 275 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018

TOLUENE ; CAS No. : 108-88-3

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 50 ppm / 190 mg/m<sup>3</sup>  
Peak limitation : 4(II)  
Remark : H, Y  
Version : 07.06.2018

Limit value type (country of origin) : STEL ( EC )  
Limit value : 100 ppm / 384 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018

Limit value type (country of origin) : TWA ( EC )  
Limit value : 50 ppm / 192 mg/m<sup>3</sup>  
Remark : H  
Version : 31.01.2018

Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6

Limit value type (country of origin) : AGW ( D )  
Limit value : 50 mg/m<sup>3</sup>  
Peak limitation : 2(II)  
Version : 29.03.2019

### Biological limit values

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 : 07.06.2018

XYLENE ; CAS No. : 1330-20-7

Limit value type (country of origin) : TRGS 903 ( D )

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Parameter : Methylhippuric acid / Urine (U) / End of exposure or end of shift  
Limit value : 2000 mg/l  
Version : 07.06.2018

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 : 25 mg/l  
Version : 07.06.2018  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Acetone / Urine (U) / End of exposure or end of shift  
Limit value : 25 mg/l  
Version : 07.06.2018

1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : 1-methoxy-2-propanol / Urine (U) / End of exposure or end of shift  
Limit value : 15 mg/l  
Version : 07.06.2018

ETHYLBENZENE ; CAS No. : 100-41-4  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Mandelic acid + Phenylglyoxyl acid / Urine (U) / End of exposure or end of shift  
Limit value : 250 mg/g Kr  
Version : 07.06.2018

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 : 07.06.2018  
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 : 07.06.2018

TOLUENE ; CAS No. : 108-88-3  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Toluene / Whole blood (B) / Immediately after exposure  
Limit value : 0,6 mg/l  
Version : 07.06.2018  
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 : 1,5 mg/l  
Version : 07.06.2018

### DNEL/DMEL and PNEC values

#### DNEL/DMEL

Limit value type : DNEL worker (local) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 600 mg/m<sup>3</sup>

Limit value type : DNEL worker (local) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 300 mg/m<sup>3</sup>

Limit value type : DNEL worker (systemic) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)



# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :**

2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Limit value : 600 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 300 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 11 mg/kg  
Limit value type : DNEL worker (systemic) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Exposure route : Dermal  
Exposure frequency : Short-term (acute)  
Limit value : 11 mg/kg  
Limit value type : DNEL worker (local) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 1468 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 734 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 1468 mg/cm<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 734 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 63 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( ACETONE ; CAS No. : 67-64-1 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 2420 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( ACETONE ; CAS No. : 67-64-1 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 186 mg/kg  
Limit value type : DNEL worker (systemic) ( ACETONE ; CAS No. : 67-64-1 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 1210 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 289 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 221 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Exposure frequency : Short-term (acute)  
Limit value : 442 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 211 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 180 mg/kg  
Limit value type : DNEL worker (systemic) ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 733 mg/kg  
Limit value type : DNEL worker (systemic) ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 2035 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Dermal  
Limit value : 888 mg/kg  
Limit value type : DNEL worker (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Inhalation  
Limit value : 500 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 553,5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 183 mg/kg  
Safety factor : 1 Day(s)  
Limit value type : DNEL worker (systemic) ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 369 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 310 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( BUTAN-1-OL ; CAS No. : 71-36-3 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 310 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 77 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 384 mg/m<sup>3</sup>  
Limit value type : DNEL worker (local) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Inhalation

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Exposure frequency : Long-term  
Limit value : 192 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 384 mg/kg  
Limit value type : DNEL worker (systemic) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 384 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 192 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 25 mg/kg  
Limit value type : DNEL worker (systemic) ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 150 mg/m<sup>3</sup>

### PNEC

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, marine water) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Limit value : 0,018 mg/l  
Limit value type : PNEC (Sediment, freshwater) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Limit value : 0,981 mg/kg  
Limit value type : PNEC (Soil) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Limit value : 0,0903 mg/kg  
Limit value type : PNEC soil, marine water ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Limit value : 0,0981 mg/kg  
Limit value type : PNEC (Sewage treatment plant) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Limit value : 35,6 mg/l  
Limit value type : PNEC (Aquatic, freshwater) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Limit value : 0,24 mg/l  
Limit value type : PNEC (Aquatic, marine water) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Limit value : 0,024 mg/l  
Limit value type : PNEC (Sediment, freshwater) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Limit value : 1,15 mg/kg  
Limit value type : PNEC (Sediment, marine water) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Limit value : 0,115 mg/kg  
Limit value type : PNEC (Sewage treatment plant) ( 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 (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 (Sewage treatment plant) ( ACETONE ; CAS No. : 67-64-1 )

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020  
**Version (Revision) :** 2.0.0 (1.0.0)

---

Limit value : 100 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, marine water) ( XYLENE ; CAS No. : 1330-20-7 )  
Limit value : 0,327 mg/l  
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 (Sewage treatment plant) ( XYLENE ; CAS No. : 1330-20-7 )  
Limit value : 6,58 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, marine water) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Limit value : 140,9 mg/l  
Limit value type : PNEC (Sediment, freshwater) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Limit value : 552 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 (Soil) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Limit value : 28 mg/kg  
Limit value type : PNEC (Sewage treatment plant) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Limit value : 2251 mg/l  
Limit value type : PNEC (Aquatic, freshwater) ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure time : Short-term (single)  
Limit value : 10 mg/l  
Limit value type : PNEC (Aquatic, marine water) ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure time : Short-term (single)  
Limit value : 1 mg/l  
Limit value type : PNEC (Sediment, freshwater) ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure time : Short-term (single)  
Limit value : 52,3 mg/kg  
Limit value type : PNEC (Sediment, marine water) ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure time : Short-term (single)  
Limit value : 5,2 mg/kg  
Limit value type : PNEC (Soil) ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure time : Short-term (single)  
Limit value : 4,59 mg/kg  
Limit value type : PNEC (Sewage treatment plant) ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure time : Short-term (single)  
Limit value : 100 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 (Sediment, freshwater) ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Limit value : 1,52 mg/kg  
Limit value type : PNEC (Sewage treatment plant) ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Limit value : 10 mg/l  
Limit value type : PNEC (Aquatic, freshwater) ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Limit value : 0,1 mg/l  
Limit value type : PNEC (Aquatic, freshwater) ( BUTAN-1-OL ; CAS No. : 71-36-3 )  
Limit value : 0,082 mg/l  
Limit value type : PNEC (Aquatic, marine water) ( BUTAN-1-OL ; CAS No. : 71-36-3 )  
Limit value : 0,0082 mg/l

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

|                    |   |
|--------------------|---|
| Limit value type : | PNEC (Aquatic, marine water) ( ETHYLBENZENE ; CAS No. : 100-41-4 )  |
| Limit value :      | 0,01 mg/l   |
| Limit value type : | PNEC (Sediment, freshwater) ( ETHYLBENZENE ; CAS No. : 100-41-4 )   |
| Limit value :      | 13,7 mg/kg  |
| Limit value type : | PNEC (Sediment, freshwater) ( BUTAN-1-OL ; CAS No. : 71-36-3 )      |
| Limit value :      | 0,178 mg/kg   |
| Limit value type : | PNEC (Sediment, marine water) ( BUTAN-1-OL ; CAS No. : 71-36-3 )    |
| Limit value :      | 0,0178 mg/kg  |
| Limit value type : | PNEC (Sediment, marine water) ( ETHYLBENZENE ; CAS No. : 100-41-4 ) |
| Limit value :      | 1,37 mg/kg  |
| Limit value type : | PNEC (Soil) ( ETHYLBENZENE ; CAS No. : 100-41-4 )                   |
| Limit value :      | 2,68 mg/kg  |
| Limit value type : | PNEC (Soil) ( BUTAN-1-OL ; CAS No. : 71-36-3 )                      |
| Limit value :      | 0,015 mg/kg   |
| Limit value type : | PNEC (Sewage treatment plant) ( BUTAN-1-OL ; CAS No. : 71-36-3 )    |
| Limit value :      | 2476 mg/l   |
| Limit value type : | PNEC (Sewage treatment plant) ( ETHYLBENZENE ; CAS No. : 100-41-4 ) |
| Limit value :      | 9,6 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, marine water) ( TOLUENE ; CAS No. : 108-88-3 )       |
| Limit value :      | 0,68 mg/l   |
| 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) ( TOLUENE ; CAS No. : 108-88-3 )      |
| Limit value :      | 16,39 mg/kg   |
| Limit value type : | PNEC (Sewage treatment plant) ( TOLUENE ; CAS No. : 108-88-3 )      |
| Limit value :      | 13,61 mg/l  |

## 8.2 Exposure controls



### Personal protection equipment

#### Eye/face protection

Eye glasses with side protection

#### Skin protection

##### Hand protection

**Suitable material :** Butyl caoutchouc (butyl rubber)

Thickness of the glove material : 0.7 mm

Breakthrough time (maximum wearing time)  $10 < x < 30$  min.

Recommended glove articles EN ISO 374

**Remark :** Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. 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

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

# Safety Data Sheet

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

Trade name : SWIN 7798  
cleaning thinner  
Revision date : 03.03.2020  
Print date : 03.03.2020

Version (Revision) : 2.0.0 (1.0.0)

### Respiratory protection

Appropriate engineering controls

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. spray application

#### Suitable respiratory protection apparatus

Filtering device (full mask or mouthpiece) with filter:

Filter type: AX (for group 2 low boilers). In case of a maximum contaminant concentration in inhaled air of 1000 mL/m<sup>3</sup> (0.1 % by vol.), group 2 may be used for a maximum of 60 min. In case of a maximum contaminant concentration in inhaled air of 5000 mL/m<sup>3</sup> (0.5 % by vol.), group 2 may be used for a maximum of 20 min.

### 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

**Physical state :** Liquid

**Odour :** characteristic

#### Appearance

**Colour :** colourless

#### Odour threshold

No data available

#### Safety relevant basis data

|  |              |  |                  |
|--|--------------|--|------------------|
| <b>Melting point/melting range :</b>             |              | No data available  |                  |
| <b>Initial boiling point and boiling range :</b> | ( 1013 hPa ) | 56 - 175 °C  |                  |
| <b>Decomposition temperature :</b>               |              | No data available  |                  |
| <b>Flash point :</b>                             |              | -18 °C   | DIN 51755 part 1 |
| <b>Ignition temperature :</b>                    |              | 295 °C   | DIN 51794        |
| <b>Lower explosion limit :</b>                   |              | 1 Vol-%  |                  |
| <b>Upper explosion limit :</b>                   |              | 44 Vol-%   |                  |
| <b>Vapour pressure :</b>                         | ( 20 °C )    | 247 hPa  |                  |
| <b>Density :</b>                                 | ( 20 °C )    | 0,845 g/cm <sup>3</sup>                                      | DIN 51757        |
| <b>Water solubility :</b>                        | ( 20 °C )    | partially miscible   |                  |
| <b>pH-value:</b>                                 | ( 20 °C )    | not applicable   |                  |
| <b>log P O/W :</b>                               |              | No data available  |                  |
| <b>Cinematic viscosity :</b>                     | ( 40 °C )    | No data available  |                  |
| <b>Relative vapour density :</b>                 | ( 20 °C )    | No data available  |                  |
| <b>Vapourisation rate :</b>                      |              | No data available  |                  |
| <b>Maximum VOC content (EC) :</b>                |              | 100 Wt %   | 1999/13/EC       |
| <b>VOC-value :</b>                               |              | 845 g/l  | 2004/42/EC       |
| <b>Flammable solids :</b>                        |              | Not fulfilling criteria for hazard class "Flammable Solids". |                  |
| <b>Flammable gases :</b>                         |              | Not applicable.  |                  |
| <b>Oxidising liquids :</b>                       |              | No data available.   |                  |
| <b>Explosive properties :</b>                    |              | Not determined.  |                  |

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Information is given in subsection 10.3.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

### 10.3 Possibility of hazardous reactions

In use, may form flammable/explosive vapour-air mixture.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

### 10.5 Incompatible materials

Exothermic reaction with:  
Acid , 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 :      | ATEmix calculated                                |
| Exposure route : | Oral   |
| Effective dose : | 16667 mg/kg                                      |
| Parameter :      | LD50 ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )    |
| Exposure route : | Oral   |
| Species :        | Rat  |
| Effective dose : | 14 g/kg  |
| Parameter :      | LD50 ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )    |
| Exposure route : | Oral   |
| Species :        | Rabbit   |
| Effective dose : | 7,4 g/kg   |
| Parameter :      | LD50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )      |
| Exposure route : | Oral   |
| Species :        | Rabbit   |
| Effective dose : | 4935 mg/kg                                       |
| Parameter :      | LD50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )      |
| Exposure route : | Oral   |
| Species :        | Rat  |
| Effective dose : | 11,3 g/kg  |
| Parameter :      | LD50 ( ACETONE ; CAS No. : 67-64-1 )             |
| Exposure route : | Oral   |
| Species :        | Rat  |
| Effective dose : | 9750 mg/kg                                       |
| Method :         | OECD 401   |
| Parameter :      | LD50 ( XYLENE ; CAS No. : 1330-20-7 )            |
| Exposure route : | Oral   |
| Species :        | Rat  |
| Effective dose : | 4300 mg/kg                                       |
| Parameter :      | LD50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ) |
| Exposure route : | Oral   |
| Species :        | Rat  |
| Effective dose : | > 5000 mg/m <sup>3</sup>                         |
| Method :         | OECD 401   |
| Parameter :      | LD50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )         |
| Exposure route : | Oral   |
| Species :        | Rat  |
| Effective dose : | 5840 mg/kg                                       |

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Method : OECD 401  
Parameter : LD50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 4016 mg/kg  
Parameter : LD50 ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 2830 mg/kg  
Method : OECD 401  
Parameter : LD50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 3500 mg/kg  
Parameter : LD50 ( BUTAN-1-OL ; CAS No. : 71-36-3 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 790 mg/kg  
Parameter : LD50 ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Oral  
Species : Rat  
Effective dose : > 5000 mg/kg  
Parameter : LD50 ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 3592 mg/kg  
Parameter : ATE ( BUTAN-1-OL ; CAS No. : 71-36-3 )  
Exposure route : Oral  
Effective dose : 500 mg/kg

### Acute dermal toxicity

Parameter : ATEmix calculated  
Exposure route : Dermal  
Effective dose : 9167 mg/kg  
Parameter : LD50 ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 14112 mg/kg  
Parameter : LD50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 20000 mg/kg  
Parameter : LD50 ( ACETONE ; CAS No. : 67-64-1 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 20 g/kg  
Parameter : LD50 ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 1100 mg/kg  
Parameter : LD50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 2000 mg/kg  
Method : OECD 402  
Parameter : LD50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )



# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 13900 mg/kg  
Method : OECD 402  
Parameter : LD50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 2000 mg/kg  
Parameter : LD50 ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 2460 mg/kg  
Parameter : LD50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 12126 mg/kg  
Parameter : LD50 ( BUTAN-1-OL ; CAS No. : 71-36-3 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : 4200 mg/kg  
Parameter : LD50 ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 5000 mg/kg  
Parameter : LD50 ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Exposure route : Dermal  
Species : Rabbit  
Effective dose : > 3160 mg/kg  
Method : OECD 402  
Parameter : ATE ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Dermal  
Effective dose : 1100 mg/kg

### Acute inhalation toxicity

Parameter : ATEmix calculated  
Exposure route : Inhalation (vapour)  
Effective dose : 73,3 mg/l  
Parameter : LC50 ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Exposure route : Inhalation (vapour)  
Species : Rat  
Effective dose : 21,1 mg/l  
Exposure time : 4 h  
Method : OECD 403  
Parameter : LC50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 1600 mg/l  
Parameter : LC50 ( ACETONE ; CAS No. : 67-64-1 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 76 mg/l  
Exposure time : 4 h  
Parameter : LC50 ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation (vapour)  
Species : Rat  
Effective dose : 11 mg/l

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Exposure time : 4 h  
Parameter : LC50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 20 mg/l  
Exposure time : 4 h  
Method : OECD 403  
Parameter : LC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Inhalation (vapour)  
Species : Rat  
Effective dose : > 25 mg/l  
Exposure time : 6 h  
Method : OECD 403  
Parameter : LC50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Exposure route : Inhalation (vapour)  
Species : Rat  
Effective dose : > 25,8 mg/l  
Exposure time : 6 h  
Parameter : LC50 ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 24,6 mg/l  
Exposure time : 4 h  
Parameter : LC50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 11 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 ( TOLUENE ; CAS No. : 108-88-3 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 20 mg/l  
Exposure time : 4 h  
Parameter : LC50 ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Exposure route : Inhalation (vapour)  
Species : Rat  
Effective dose : > 6193 mg/m<sup>3</sup>  
Exposure time : 4 h  
Method : OECD 403

### **Irritant and corrosive effects**

#### **Primary irritation to the skin**

Causes skin irritation.

#### **Irritation to eyes**

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**

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

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 respiratory irritation. May cause drowsiness or dizziness.

### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

Harmful to aquatic life with long lasting effects.

##### Acute (short-term) fish toxicity

|                        |  |
|------------------------|--|
| Parameter :            | LC50 ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )    |
| Species :              | Pimephales promelas (fathead minnow)             |
| Evaluation parameter : | Acute (short-term) fish toxicity                 |
| Effective dose :       | 18 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 ( ACETONE ; CAS No. : 67-64-1 )             |
| Species :              | Oncorhynchus mykiss (Rainbow trout)              |
| Evaluation parameter : | Acute (short-term) fish toxicity                 |
| Effective dose :       | 5540 mg/l  |
| Exposure time :        | 96 h   |
| Method :               | OECD 203   |
| Parameter :            | LC50 ( XYLENE ; CAS No. : 1330-20-7 )            |
| Species :              | Oncorhynchus mykiss (Rainbow trout)              |
| Evaluation parameter : | Acute (short-term) fish toxicity                 |
| Effective dose :       | 2,6 mg/l   |
| Exposure time :        | 96 h   |
| Method :               | OECD 203   |
| Parameter :            | LL50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT ) |
| Species :              | Oncorhynchus mykiss (Rainbow trout)              |
| Evaluation parameter : | Acute (short-term) fish toxicity                 |
| Effective dose :       | 11,4 - 13,4 mg/l                                 |
| Exposure time :        | 96 h   |
| Method :               | OECD 203   |
| Parameter :            | LC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )         |
| Species :              | Pimephales promelas (fathead minnow)             |
| Evaluation parameter : | Acute (short-term) fish toxicity                 |
| Effective dose :       | 9640 mg/l  |
| Exposure time :        | 96 h   |
| Method :               | OECD 203   |
| Parameter :            | LC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )         |
| Species :              | Daphnia magna (Big water flea)                   |

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : 9714 mg/l  
Exposure time : 24 h  
Method : OECD 202  
Parameter : LC50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Species : Oncorhynchus mykiss (Rainbow trout)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : > 1000 mg/l  
Exposure time : 96 h  
Method : OECD 203  
Parameter : LC50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Species : Leuciscus idus (golden orfe)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 6812 mg/l  
Exposure time : 96 h  
Method : DIN 38412 / part 15  
Parameter : LC50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 20800 mg/l  
Exposure time : 96 h  
Method : OECD 203  
Parameter : LC50 ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 1430 mg/l  
Exposure time : 96 h  
Parameter : LC50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 6,4 mg/l  
Exposure time : 48 h  
Parameter : LC50 ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 66 mg/l  
Exposure time : 96 h  
Parameter : LC50 ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Species : Oncorhynchus mykiss (Rainbow trout)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : 9,2 mg/l  
Exposure time : 96 h  
Method : OECD 203

### Chronic (long-term) fish toxicity

Parameter : NOEC ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Pimephales promelas (fathead minnow)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : > 9,65 mg/l  
Exposure time : 32 Day(s)  
Parameter : Chronic (long-term) fish toxicity ( XYLENE ; CAS No. : 1330-20-7 )  
Species : Oncorhynchus mykiss (Rainbow trout)  
Evaluation parameter : Chronic (long-term) fish toxicity  
Effective dose : > 1,3 mg/l  
Exposure time : 56 Day(s)  
Parameter : NOEC ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Oncorhynchus kisutch

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : 1,39 mg/l

Exposure time : 40 Day(s)

### Acute (short-term) daphnia toxicity

Parameter : EC50 ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 44 mg/l

Exposure time : 48 h

Method : OECD 202

Parameter : EC50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 610 mg/l

Exposure time : 48 h

Parameter : EC50 ( ACETONE ; CAS No. : 67-64-1 )

Species : Daphnia pulex (water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 8800 mg/l

Exposure time : 48 h

Parameter : LC50 ( ACETONE ; CAS No. : 67-64-1 )

Species : Artemia salina

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 2100 mg/l

Exposure time : 24 h

Parameter : LC50 ( XYLENE ; CAS No. : 1330-20-7 )

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 1 mg/l

Exposure time : 24 h

Method : OECD 202

Parameter : EL50 ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT )

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 3 - 3,7 mg/l

Exposure time : 48 h

Method : OECD 202

Parameter : EC50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )

Species : Ceriodaphnia spec

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : > 1000 mg/l

Parameter : LC50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 21100 - 25900 mg/l

Exposure time : 48 h

Method : OECD 202

Parameter : EC50 ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )

Species : Daphnia pulex (water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 1100 mg/l

Exposure time : 48 h

Parameter : EC50 ( ETHYLBENZENE ; CAS No. : 100-41-4 )

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : 2,4 mg/l

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

Exposure time : 48 h  
Parameter : EC50 ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : 270 mg/l  
Exposure time : 24 h  
Parameter : LC50 ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Ceriodaphnia dubia  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : 3,78 mg/l  
Exposure time : 48 h  
Parameter : EL50 ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : 3,2 mg/l  
Exposure time : 48 h  
Method : OECD 202

### Chronic (long-term) daphnia toxicity

Parameter : EC50 ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 34,2 mg/l  
Exposure time : 21 Day(s)  
Method : OECD 211  
Parameter : NOAEC ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 23,2 mg/l  
Exposure time : 21 Day(s)  
Method : OECD 211  
Parameter : NOEC ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 2,4 mg/l  
Exposure time : 21 Day(s)  
Method : OECD 211  
Parameter : NOEC ( ACETONE ; CAS No. : 67-64-1 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 2212 mg/l  
Exposure time : 28 Day(s)  
Method : OECD 211  
Parameter : NOEC ( XYLENE ; CAS No. : 1330-20-7 )  
Species : Daphnia pulex (water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 1,17 mg/l  
Exposure time : 7 Day(s)  
Parameter : NOEC ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 20 mg/l  
Exposure time : 21 Day(s)  
Parameter : NOEC ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Species : Daphnia pulex (water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

Effective dose : 0,96 mg/l  
Exposure time : 7 Day(s)  
Parameter : NOEC ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Ceriodaphnia dubia  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : 0,74 mg/l  
Exposure time : 7 Day(s)

### Acute (short-term) algae toxicity

Parameter : EC50 ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Species : Selenastrum capricornutum  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 397 mg/l  
Exposure time : 72 h  
Method : OECD 201

Parameter : EC50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Desmodesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 5600 mg/l  
Exposure time : 48 h  
Method : DIN 38412 / part 9

Parameter : NOEC ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Desmodesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 100 mg/l  
Exposure time : 72 h  
Method : OECD 201

Parameter : NOEC ( ACETONE ; CAS No. : 67-64-1 )  
Species : Prorocentrum minimum  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 430 mg/l  
Exposure time : 96 h

Parameter : LOEC ( ACETONE ; CAS No. : 67-64-1 )  
Species : Microcystis aeruginosa  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 530 mg/l  
Exposure time : 8 Day(s)

Parameter : EC50 ( XYLENE ; CAS No. : 1330-20-7 )  
Species : Selenastrum capricornutum  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 2,2 mg/l  
Exposure time : 73 h  
Method : OECD 201

Parameter : NOELR ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 30 - 55 mg/l  
Exposure time : 72 h  
Method : OECD 201

Parameter : EC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Species : Scenedesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : > 100 mg/l  
Exposure time : 72 h

Parameter : EC50 ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Species : Pseudokirchneriella subcapitata

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

**Print date :** 03.03.2020

---

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  
Evaluation parameter : Inhibition of biomass development  
Effective dose : 53 mg/l  
Exposure time : 72 h  
Method : OECD 201  
Parameter : EC50 ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Scenedesmus subspicatus  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 125 - 160 mg/l  
Exposure time : 48 h  
Parameter : EC50 ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Chlamydomonas angulosa  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 134 mg/l  
Exposure time : 3 h  
Parameter : EL50 ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : 2,6 - 2,9 mg/l  
Exposure time : 72 h  
Method : OECD 201

### Chronic (long-term) algae toxicity

Parameter : NOEC ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Species : Selenastrum capricornutum  
Evaluation parameter : Chronic (long-term) algae toxicity  
Effective dose : 196 mg/l  
Method : OECD 201  
Parameter : ErC50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Chronic (long-term) algae toxicity  
Effective dose : > 1000 mg/l  
Exposure time : 7 Day(s)  
Method : OECD 201

### Toxicity to other aquatic plants/organisms

Parameter : EC50 ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Species : Tetrahymena pyriformis  
Evaluation parameter : Acute (short-term) toxicity  
Effective dose : 356 mg/l  
Exposure time : 40 h  
Parameter : NOEC ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long term) toxicity  
Effective dose : 20 mg/l  
Exposure time : 21 Day(s)  
Parameter : NOEC ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Chronic (long term) toxicity  
Effective dose : 0,07 mg/l  
Exposure time : 72 h  
Method : OECD 201



# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

### Bacteria toxicity

Parameter : EC50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Bacteria toxicity  
Effective dose : 5870 mg/l  
Exposure time : 15 min  
Parameter : EC10 ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Bacteria toxicity  
Effective dose : 1650 mg/l  
Exposure time : 15 min  
Parameter : EC10 ( ACETONE ; CAS No. : 67-64-1 )  
Species : Bacteria toxicity  
Effective dose : 1000 mg/l  
Exposure time : 30 min  
Method : OECD 209  
Parameter : Bacteria toxicity ( XYLENE ; CAS No. : 1330-20-7 )  
Effective dose : 16 mg/l  
Exposure time : 28 Day(s)  
Method : OECD F  
Parameter : EC50 ( TOLUENE ; CAS No. : 108-88-3 )  
Species : Nitrosomonas  
Evaluation parameter : Bacteria toxicity  
Effective dose : 84 mg/l  
Exposure time : 24 h

### Effects in sewage plants

Parameter : EC50 ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Inoculum : Activated sludge  
Effective dose : > 1000 mg/l  
Exposure time : 3 h  
Method : OECD 209

## 12.2 Persistence and degradability

### Biodegradation

Parameter : BOD (% of ThOD) ( N-BUTYL ACETATE ; CAS No. : 123-86-4 )  
Inoculum : Degree of elimination  
Evaluation parameter : Aerobic  
Effective dose : 80 %  
Exposure time : 5 Day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301D  
Parameter : Biodegradation ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Inoculum : Biodegradation  
Effective dose : 79 %  
Exposure time : 20 Day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).  
Parameter : Biodegradation ( ACETONE ; CAS No. : 67-64-1 )  
Inoculum : Degree of elimination  
Effective dose : 91 %  
Exposure time : 28 Day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301B  
Parameter : BOD (% of ThOD) ( ACETONE ; CAS No. : 67-64-1 )  
Effective dose : 84 %  
Parameter : DOC reduction ( ACETONE ; CAS No. : 67-64-1 )  
Effective dose : > 70 %  
Parameter : Biodegradation ( XYLENE ; CAS No. : 1330-20-7 )  
Inoculum : Biodegradation

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020  
**Version (Revision) :** 2.0.0 (1.0.0)

---

Effective dose : 90 %  
Exposure time : 28 Day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301F  
Parameter : Biodegradation ( NAPHTHA (PETROLEUM), HYDROTREATED LIGHT )  
Evaluation : Readily biodegradable (according to OECD criteria).  
Parameter : DOC reduction ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Inoculum : Degree of elimination  
Evaluation parameter : Aerobic  
Effective dose : 53 %  
Exposure time : 5 Day(s)  
Parameter : Biodegradation ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Inoculum : Biodegradation  
Effective dose : 96 %  
Exposure time : 28 Day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301E  
Parameter : Biodegradation ( 2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1 )  
Inoculum : Biodegradation  
Effective dose : 70 - 80 %  
Exposure time : 28 Day(s)  
Method : OECD 301D  
Parameter : Biodegradation ( ETHYLBENZENE ; CAS No. : 100-41-4 )  
Inoculum : Biodegradation  
Effective dose : 90 %  
Exposure time : 28 Day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301F  
Parameter : Biodegradation ( BUTAN-1-OL ; CAS No. : 71-36-3 )  
Inoculum : Degree of elimination  
Evaluation parameter : Aerobic  
Effective dose : 92 %  
Exposure time : 20 Day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).  
Parameter : Biodegradation ( TOLUENE ; CAS No. : 108-88-3 )  
Inoculum : Biodegradation  
Effective dose : 86 %  
Exposure time : 20 Day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).  
Parameter : Biodegradation ( Hydrocarbons, C9, aromates, < 0.1% benzene ; CAS No. : 64742-95-6 )  
Inoculum : Biodegradation  
Effective dose : 78 %  
Exposure time : 28 Day(s)  
Evaluation : Readily biodegradable (according to OECD criteria).  
Method : OECD 301F

### 12.3 Bioaccumulative potential

Parameter : Bioconcentration factor (BCF) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Bioconcentration factor (BCF)  
Concentration : 30  
3 Day(s)  
Parameter : Bioconcentration factor (BCF) ( ACETONE ; CAS No. : 67-64-1 )  
Concentration : < 10  
Parameter : Bioconcentration factor (BCF) ( TOLUENE ; CAS No. : 108-88-3 )  
Bioconcentration factor (BCF)

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner  
**Revision date :** 03.03.2020  
**Print date :** 03.03.2020  
**Version (Revision) :** 2.0.0 (1.0.0)

Concentration : 90  
Parameter : Log KOC ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Concentration : 0,68  
25 °C  
Parameter : Partition coefficient n-octanol /water (log P O/W) ( ACETONE ; CAS No. : 67-64-1 )  
Partition coefficient n-octanol /water (log P O/W)  
Concentration : -0,24  
20 °C  
Parameter : Partition coefficient: n-octanol/water ( 1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2 )  
Partition coefficient n-octanol /water (log P O/W)  
Concentration : 0,37  
20 °C

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose according to legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

## 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 I · E 2  
**Hazard label(s) :** 3  
**Sea transport (IMDG)**  
**Class(es) :** 3  
**EmS-No. :** F-E / S-E  
**Special provisions :** LQ 5 I · E 2

# Safety Data Sheet

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

Trade name : S IN 7798  
cleaning thinner  
Revision date : 03.03.2020  
Print date : 03.03.2020

Version (Revision) : 2.0.0 (1.0.0)

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 applicable

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

use restriction according to REACH annex VII no. : 3 30 40 48

National regulations

Restrictions of occupation

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

Technische Anleitung Luft (TA-Luft)

weight fraction (Number 2.1) :

Water hazard class (WGK)

Class : 2 (Significant hazardous to water) Classification according to AwSV

### 15.2 Chemical safety assessment

For this substance / mixture a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

02. Label elements 03. Hazardous ingredients 08. Occupational exposure limit values 11. Acute effects 11. Primary irritation to the skin 11. Irritation to eyes 11. Sensitisation 11. Carcinogenicity 11. Germ cell mutagenicity 11. Reproductive toxicity 11. STOT single exposure 11. STOT repeated exposure 11. Aspiration hazard 12. Aquatic toxicity 1. Restrictions on use 1. Water hazard class ( )

### 16.2 Abbreviations and acronyms

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route

A Occupational Exposure Limits

ATE Acute Toxicity Estimates

AwSV Ordinance on facilities for the handling of substances hazardous to water

DEL Derived Minimal Effect Levels

DNEL Derived No Effect Level

EC<sub>50</sub> effective concentration

H (8.1) hautresorptiv ( absorbable through skin contact)

# Safety Data Sheet

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

Trade name : SWIN 7798  
cleaning thinner  
Revision date : 03.03.2020  
Print date : 03.03.2020

Version (Revision) : 2.0.0 (1.0.0)

IATA International Air Transport Association  
ICAO International Civil Aviation Organization  
IMDG International Maritime Code for Dangerous Goods  
LCx/LDx/LLx Lethal Concentration/Dose/Loading for x of a population of test organisms  
MARPOL International Convention for the Prevention of Marine Pollution from Ships  
NOAEC/NOAEL No Observed Adverse Effect Concentration/Level  
NOEC/NOEL No Observed Effect Concentration/Level  
OECD Organisation for Economic Co-operation and Development  
PBT Persistent bioaccumulative and toxic  
PNEC Predicted No Effect Concentration  
RID Règlement concernant le transport international ferroviaire des marchandises dangereuses  
RCP reciprocal calculation procedure  
S(a/h/ah) (8.1) risk of sensitisation (of the respiratory tract/of the skin/of the respiratory tract and the skin)  
S<sub>HC</sub> Substances of very high Concern  
STEL Short-Time-Exposure Limit  
TRGS Technical rules for hazardous substances  
TWA Time Weighted Average  
VOC volatile organic compounds  
vPvB very persistent and very bioaccumulative  
w<sub>WS</sub> Administrative regulation of substances hazardous to water  
WGK water hazard class acc. ordinance on facilities for handling substances that are hazardous to water (AwS )  
Y (8.1) No risk of fetal damage will have to be feared if the occupational exposure limit values (AGW) and the biological limit values (BGW) are observed.  
(8.1) The risk of fetal damage must be feared even if the occupational exposure limit values (AGW) and the biological limit values (BGW) are observed.

### 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]

The classification for health hazards physicochemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

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

|       |  |
|-------|--|
| H225  | Highly flammable liquid and vapour.                                |
| H226  | Flammable liquid and vapour.                                       |
| H302  | Harmful if swallowed.  |
| H304  | May be fatal if swallowed and enters airways.                      |
| H312  | Harmful in contact with skin.                                      |
| H315  | Causes skin irritation.  |
| H318  | Causes serious eye damage.   |
| H319  | Causes serious eye irritation.                                     |
| H332  | Harmful if inhaled.  |
| H335  | May cause respiratory irritation.                                  |
| H336  | May cause drowsiness or dizziness.                                 |
| H361d | Suspected of damaging the unborn child.                            |
| H373  | May cause damage to organs through prolonged or repeated exposure. |
| H411  | Toxic 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.

# Safety Data Sheet

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

**Trade name :** SWIN 7798  
cleaning thinner

**Revision date :** 03.03.2020

**Print date :** 03.03.2020

**Version (Revision) :** 2.0.0 (1.0.0)

---

---