

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2020/878

**SPECIAL FILLS B.V.**

Article No.: SF lakstiften      SF lakstiften div. kleuren 12  
Print date: 11.05.2023      Revision date: 23.03.2023      127009 EN  
Version: 18-1      Issue date: 23.03.2023      Page 1 / 13

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

1.1. **product identifiers**

Article No. (manufacturer/supplier)      SF lakstiften  
Trade name/designation      SF lakstiften div. kleuren 12

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

**Relevant identified uses:**

only for the use as prescribed

**Uses advised against:**

There is no information available for use is discouraged facing.

1.3. **Details of the supplier of the safety data sheet**

**supplier (manufacturer/importer/downstream user/distributor)**

Special Fills B V  
De Veken 129      Telephone: +31 (0) 226 352575  
NL-1716-KG Opmeer      Telefax: +31 (0) 226 359915

**Department responsible for information:**

Labor      +31 (0) 226 352575  
E-mail (competent person)      info@specialfills.nl

1.4. **Emergency telephone number**

National Poison phone number Information  
Centrum (NVIC):      0887558000  
Exclusively intended for healthcare professionals in acute poisoning.

**SECTION 2: Hazards identification**

2.1. **Classification of the substance or mixture**

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
STOT SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.

2.2. **Label elements**

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

**Hazard pictograms**



**Warning**

**Hazard statements**

H226      Flammable liquid and vapour.  
H319      Causes serious eye irritation.  
H336      May cause drowsiness or dizziness.  
H412      Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P101      If medical advice is needed, have product container or label at hand.  
P102      Keep out of reach of children.  
P103      Read carefully and follow all instructions.  
P210      Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261      Avoid breathing vapours.  
P264      Wash hands thoroughly after handling.  
P271      Use only outdoors or in a well-ventilated area.  
P273      Avoid release to the environment.  
P280      Wear protective gloves and eye/face protection.  
P302 + P352      IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312      Call a POISON CENTER or doctor/physician if you feel unwell.  
P314      Get medical advice/attention if you feel unwell.

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P337 + P313      If eye irritation persists: Get medical advice/attention.  
 P402 + P404      Store in a dry place. Store in a closed container.

**Hazard components for labelling**

n-butyl acetate

**Supplemental hazard information**

EUH066      Repeated exposure may cause skin dryness or cracking.  
 EUH211      Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Description**      Special finishes

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

EC No. CAS No. Index No.	REACH No. Designation classification // Remark	weight-%
204-658-1 123-86-4 607-025-00-1	01-2119485493-29 n-butyl acetate STOT SE 3 H336 / Flam. Liq. 3 H226 / EUH066	12,5 - 20
236-675-5 13463-67-7 022-006-00-2	01-2119489379-17-xxxx Titanium dioxide; powder >1% particle aerodyn. <= 10µm Carc. 2 H351	12,5 - 20
205-500-4 141-78-6 607-022-00-5	01-2119475103-46 Ethyl acetate Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336 / EUH066	10 - 12,5
203-603-9 108-65-6 607-195-00-7	01-2119475791-29-XXXX 2-methoxy-1-methylethyl acetate Flam. Liq. 3 H226	5 - 10
618-392-2 9004-70-0 603-037-01-3	Nitrocellulose Flam. Sol. 1 H228	5 - 10
918-668-5 128601-23-0	01-2119455851-35 Hydrocarbons, C9, aromatics STOT SE 3 H335 / STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411 / Flam. Liq. 3 H226 / EUH066	5 - 10
215-535-7 1330-20-7 601-022-00-9	01-2119488216-32-xxxx Xylene Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315 Acute toxicity estimate (ATE), ATE (dermal): 12126 mg/kg bw / ATE (inhalation, vapour): 27,50 mg/L	2,5 - 5
918-811-1	01-2119463583-34-xxxx Hydrocarbons, C10, aromatics, <1% naphthalene STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411	2,5 - 5
200-661-7 67-63-0 603-117-00-0	01-2119457558-25 propan-2-ol Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336	2,5 - 5
202-849-4 100-41-4 601-023-00-4	01-2119489370-35 ethylbenzene Acute Tox. 4 H332 / STOT RE 2 H373 / Asp. Tox. 1 H304 / Aquatic Chronic 3 H412 / Flam. Liq. 2 H225 Acute toxicity estimate (ATE), ATE (inhalation, vapour): 17,40 mg/L	1 - 2,5
200-751-6 71-36-3 603-004-00-6	01-2119484630-38 butan-1-ol Flam. Liq. 3 H226 / Acute Tox. 4 H302 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 Acute toxicity estimate (ATE), ATE (oral): 2292 mg/kg bw	1 - 2,5

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265-199-0	01-2119455851-35-0000	
64742-95-6	Lösungsmittelnaphta (Erdöl), leicht, aromatisch	1 - 2,5
649-356-00-4	STOT SE 3 H335 / STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411 / Flam. Liq. 3 H226	

**Additional information**

Full text of classification: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**

Change contaminated, saturated clothing. After contact clean skin thoroughly with water and soap or use appropriate cleanser. If skin irritation occurs: Get medical advice/attention. Do not use solvents or thinners.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

**4.3. Mammalian cells (with metabolic activation)**

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

**Unsuitable extinguishing media**

strong water jet

**5.2. Special hazards arising from the substance or mixture**

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

**5.3. Advice for firefighters**

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Cool closed containers that are near the source of the fire.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

**6.3. Methods and material for containment and cleaning up**

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

**6.4. Reference to other sections**

Observe protective provisions (see section 7 and 8).

**SECTION 7: Handling and storage**

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### 7.1. Precautions for safe handling

#### Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

#### Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

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

#### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

#### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

#### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

### 7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values:

Titanium dioxide; powder >1% particle aerodyn. <= 10µm  
Index No. 022-006-00-2 / EC No. 236-675-5 / CAS No. 13463-67-7

WEL, TWA: 10 mg/m<sup>3</sup>

Remark: (inhalable fraction)

WEL, TWA: 4 mg/m<sup>3</sup>

Remark: (respirable fraction)

Ethyl acetate

Index No. 607-022-00-5 / EC No. 205-500-4 / CAS No. 141-78-6

WEL, TWA: 734 mg/m<sup>3</sup>; 200 ppm

WEL, STEL: 1468 mg/m<sup>3</sup>; 400 ppm

2-methoxy-1-methylethyl acetate

Index No. 607-195-00-7 / EC No. 203-603-9 / CAS No. 108-65-6

WEL, TWA: 274 mg/m<sup>3</sup>; 50 ppm

WEL, STEL: 548 mg/m<sup>3</sup>; 100 ppm

Remark: (may be absorbed through the skin)

Xylene

Index No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

WEL, TWA: 220 mg/m<sup>3</sup>; 50 ppm

WEL, STEL: 441 mg/m<sup>3</sup>; 100 ppm

Remark: (may be absorbed through the skin)

BMGV, TWA: 650 mmol/mol creatinine

Remark: methyl hippuric acid; urine; end of exposure or end of shift

propan-2-ol

Index No. 603-117-00-0 / EC No. 200-661-7 / CAS No. 67-63-0

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WEL, TWA: 999 mg/m<sup>3</sup>; 400 ppm  
WEL, STEL: 1250 mg/m<sup>3</sup>; 500 ppm

ethylbenzene

Index No. 601-023-00-4 / EC No. 202-849-4 / CAS No. 100-41-4

WEL, TWA: 441 mg/m<sup>3</sup>; 100 ppm  
WEL, STEL: 552 mg/m<sup>3</sup>; 125 ppm  
Remark: (may be absorbed through the skin)

butan-1-ol

Index No. 603-004-00-6 / EC No. 200-751-6 / CAS No. 71-36-3

WEL, STEL: 154 mg/m<sup>3</sup>; 50 ppm  
Remark: (may be absorbed through the skin)

Lösungsmittelnaphtha (Erdöl), leicht, aromatisch

Index No. 649-356-00-4 / EC No. 265-199-0 / CAS No. 64742-95-6

WEL, TWA: 500 mg/m<sup>3</sup>  
Remark: (Aromatics)

**Additional information**

TWA : Long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

**DNEL:**

2-methoxy-1-methylethyl acetate

Index No. 607-195-00-7 / EC No. 203-603-9 / CAS No. 108-65-6

DNEL long-term dermal (systemic), Workers: 796 mg/kg  
DNEL long-term inhalative (systemic), Workers: 275 mg/m<sup>3</sup>  
DNEL long-term oral (repeated), Consumer: 36 mg/kg  
DNEL long-term dermal (systemic), Consumer: 320 mg/kg  
DNEL long-term inhalative (systemic), Consumer: 33 mg/m<sup>3</sup>

n-butyl acetate

Index No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4

DNEL long-term dermal (systemic), Workers: 11 mg/kg  
DNEL long-term inhalative (systemic), Workers: 300 mg/m<sup>3</sup>  
DNEL long-term oral (repeated), Consumer: 2 mg/kg bw/day  
DNEL long-term dermal (systemic), Consumer: 6 mg/kg bw/day  
DNEL long-term inhalative (systemic), Consumer: 35,7 mg/m<sup>3</sup>

Xylene

Index No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

DNEL long-term dermal (systemic), Workers: 180 mg/kg  
DNEL acute inhalative (local), Workers: 289 mg/m<sup>3</sup>  
DNEL acute inhalative (systemic), Workers: 289 mg/m<sup>3</sup>  
DNEL long-term inhalative (systemic), Workers: 77 mg/m<sup>3</sup>  
DNEL long-term oral (repeated), Consumer: 1,6 mg/kg  
DNEL long-term dermal (systemic), Consumer: 108 mg/kg  
DNEL acute inhalative (local), Consumer: 174 mg/m<sup>3</sup>  
DNEL acute inhalative (systemic), Consumer: 174 mg/m<sup>3</sup>  
DNEL long-term inhalative (systemic), Consumer: 14,8 mg/m<sup>3</sup>

propan-2-ol

Index No. 603-117-00-0 / EC No. 200-661-7 / CAS No. 67-63-0

DNEL long-term dermal (systemic), Workers: 888 mg/kg  
DNEL acute inhalative (systemic), Workers: 500 mg/m<sup>3</sup>  
DNEL long-term oral (repeated), Consumer: 26 mg/kg  
DNEL acute inhalative (systemic), Consumer: 89 mg/m<sup>3</sup>

butan-1-ol

Index No. 603-004-00-6 / EC No. 200-751-6 / CAS No. 71-36-3

DNEL long-term oral (repeated), Workers: 3,125 mg/kg  
DNEL acute inhalative (local), Workers:  
DNEL acute inhalative (systemic), Workers:

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DNEL long-term dermal (systemic), Consumer: 3,125 mg/kg

**PNEC:**

2-methoxy-1-methylethyl acetate

Index No. 607-195-00-7 / EC No. 203-603-9 / CAS No. 108-65-6

PNEC aquatic, freshwater: 0,635 mg/L

PNEC aquatic, marine water: 0,0635 mg/L

PNEC aquatic, intermittent release: 6,35 mg/L

PNEC sediment, freshwater: 0,329 mg/kg

PNEC, soil: 0,29 mg/kg

PNEC sewage treatment plant (STP): 100 mg/L

n-butyl acetate

Index No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4

PNEC aquatic, freshwater: 0,18 mg/L

PNEC aquatic, marine water: 0,018 mg/L

PNEC aquatic, intermittent release: 0,36 mg/L

PNEC sediment, freshwater: 0,981 mg/kg

PNEC sediment, marine water: 0,0981 mg/kg

PNEC, soil: 0,0903 mg/kg

PNEC sewage treatment plant (STP): 35,6 mg/L

Xylene

Index No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

PNEC aquatic, freshwater: 0,327 mg/L

PNEC aquatic, marine water: 0,327 mg/L

PNEC aquatic, intermittent release: 0,327 mg/L

PNEC sediment, freshwater: 12,46 mg/kg

PNEC sediment, marine water: 12,46 mg/kg

PNEC, soil: 2,31 mg/kg

PNEC sewage treatment plant (STP): 6,58 mg/L

propan-2-ol

Index No. 603-117-00-0 / EC No. 200-661-7 / CAS No. 67-63-0

PNEC aquatic, freshwater: 140,9 mg/L

PNEC aquatic, marine water: 140,9 mg/L

PNEC sediment, freshwater: 552 mg/kg

PNEC, soil: 28 mg/kg

PNEC sewage treatment plant (STP): 2251 mg/L

PNEC Secondary Poisoning: 160 mg/kg

butan-1-ol

Index No. 603-004-00-6 / EC No. 200-751-6 / CAS No. 71-36-3

PNEC aquatic, freshwater: 0,082 mg/L

PNEC aquatic, marine water: 0,0082 mg/L

PNEC aquatic, intermittent release: 2,25 mg/L

PNEC sediment, freshwater: 0,178 mg/kg

PNEC sediment, marine water: 0,0178 mg/kg

PNEC, soil: 0,015 mg/kg

**8.2. Exposure controls**

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

**Personal protection equipment**

**Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Suitable respiratory protection apparatus: Respiratory protection is required for not sufficiently ventilated working places and during the spraying processing.

**Hand protection**

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended

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glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye/face protection**

Wear closely fitting protective glasses in case of splashes.

**Body protection**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

**Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

9.1. **Information on basic physical and chemical properties**

<b>Physical state:</b>	<b>Liquid</b>
<b>Colour:</b>	<b>refer to label</b>
<b>Odour:</b>	<b>characteristic</b>
<b>Odour threshold:</b>	<b>not applicable</b>
<b>Melting point/freezing point:</b>	<b>-90 °C</b> Source: butan-1-ol
<b>Initial boiling point and boiling range:</b>	<b>78 °C</b>
<b>Flammability:</b>	<b>Flammable liquid and vapour.</b>
<b>Lower and upper explosion limit:</b>	
<b>Lower explosion limit:</b>	<b>0,6 Vol-%</b> Source: Hydrocarbons, C10, aromatics, <1% naphthalene
<b>Upper explosion limit:</b>	<b>13,4 Vol-%</b> Source: propan-2-ol
<b>Flash point:</b>	<b>23 °C</b> Method: DIN 53213-1
<b>Auto-ignition temperature:</b>	<b>315 °C</b> Source: 2-methoxy-1-methylethyl acetate
<b>Decomposition temperature:</b>	<b>not determined</b>
<b>pH at 20 °C:</b>	<b>not applicable</b>
<b>Cinematic viscosity (40°C):</b>	<b>&lt; 135 mm<sup>2</sup>/s</b>
<b>Viscosity at 20 °C:</b>	<b>90 s 4 mm</b> Method: EN ISO 2431
<b>Solubility(ies):</b>	
<b>Water solubility at 20 °C:</b>	<b>insoluble</b>
<b>Partition coefficient: n-octanol/water:</b>	<b>see section 12</b>
<b>Vapour pressure at 20 °C:</b>	<b>15,8703 mbar</b>
<b>Density and/or relative density:</b>	
<b>Density at 20 °C:</b>	<b>1,10 g/cm<sup>3</sup></b> Method: EN ISO 2811-1
<b>Relative vapour density:</b>	<b>not determined</b>
<b>particle characteristics:</b>	<b>not applicable</b>
9.2. <b>Other information</b>	
<b>Solid content:</b>	<b>34,54 weight-%</b>
<b>solvent content:</b>	
<b>Organic solvents:</b>	<b>59 weight-%</b>
<b>Water:</b>	<b>0 weight-%</b>

**SECTION 10: Stability and reactivity**

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**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

**10.3. Possibility of hazardous reactions**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

**10.4. Conditions to avoid**

Hazardous decomposition byproducts may form with exposure to high temperatures.

**10.5. Incompatible materials**

not applicable

**10.6. Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides. Thermal decomposition can lead to the escape of irritating gases and vapours. Hazardous decomposition byproducts may form with exposure to high temperatures.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

ethylbenzene

oral, LD50, Rat: 3500 mg/kg 3500 - 4700 mg/kg  
inhalative (vapours), LC50, Rat: 17,4 mg/L (4 h)

2-methoxy-1-methylethyl acetate

oral, LD50, Rat: > 5000 mg/kg  
dermal, LD50, Rat: > 2000 mg/kg  
inhalative (vapours), LC0, Rat: > 4345 ppm (6 h)

n-butyl acetate

oral, LD50, Rat: 10760 mg/kg  
Method: OECD 423  
dermal, LD50, Rabbit: 14112 mg/kg  
Method: OECD 402  
inhalative (dust and mist), LC50, Rat (4 h)  
Method: OECD 403

Xylene

oral, LD50, Rat: 3523 mg/kg  
dermal, LD50, Rabbit: 12126 mg/kg  
inhalative (vapours), LC50, Rat: 27,5 mg/L (4 h)

Titanium dioxide; powder >1% particle aerodyn. <= 10µm

oral, LD50, Rat: > 5000 mg/kg  
Method: OECD 420  
inhalative (dust and mist), LC50, Rat: > 6,8 mg/L (4 h)

Ethyl acetate

oral, LD50, Rat: > 2000 mg/kg  
dermal, LD50, Rabbit: > 2000 mg/kg  
inhalative (vapours), LC50, Rat: 58 mg/L (4 h)

propan-2-ol

oral, LD50, Rat: 5840 mg/kg  
dermal, LD50, Rabbit: 13900 mg/kg  
inhalative (vapours), LC50, Rabbit: 30 mg/L (6 h)

butan-1-ol

oral, LD50, Rat: 2292 mg/kg  
Method: OECD 401  
dermal, LD50, Rabbit: 3430 mg/kg  
Method: OECD 402  
inhalative (vapours), LC50, Rat: > 17,76 mg/L (4 h)

**Skin corrosion/irritation; Serious eye damage/eye irritation**



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Causes serious eye irritation.

n-butyl acetate  
Skin, Rabbit  
Method: OECD 404  
eyes, Rabbit  
Method: OECD 405

butan-1-ol  
Skin, Rabbit (4 h)  
eyes, Rabbit

#### Respiratory or skin sensitisation

n-butyl acetate  
Skin, Guinea pig:  
Method: OECD 406

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

#### STOT-single exposure; STOT-repeated exposure

May cause drowsiness or dizziness.

n-butyl acetate  
Specific target organ toxicity (single exposure), drowsiness

#### Aspiration hazard

ethylbenzene  
Aspiration hazard

#### Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

#### Overall assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

No information available.

### SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]  
Do not allow to enter into surface water or drains.

#### 12.1. Toxicity

ethylbenzene  
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 4,2 mg/L (96 h)  
Method: OECD 203  
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 5,4 mg/L 0 - 4,6 mg/L (72 h)  
Method: OECD 201

2-methoxy-1-methylethyl acetate  
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 134 mg/L (96 h)  
Method: OECD 203  
Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 500 mg/L (48 h)  
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 1000 mg/L (72 h)  
Method: OECD 201

n-butyl acetate  
Fish toxicity, LC50, Pimephales promelas (fathead minnow): 18 mg/L (96 h)  
Method: OECD 203  
Daphnia toxicity, EC50, Daphnia magna (Big water flea): 44 mg/L (48 h)

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Method: EC50  
Algae toxicity, ErC50, *Desmodesmus subspicatus*: 674,7 mg/L (72 h)  
Method: EC50

#### Xylene

Fish toxicity, LC50, *Oncorhynchus mykiss* (Rainbow trout): 2,6 mg/L 0 - 8,4 mg/L (96 h)  
Daphnia toxicity, EC50, *Daphnia magna* (Big water flea): 1 mg/L 0 - 2,9 mg/L (48 h)  
Algae toxicity, ErC50, *Pseudokirchneriella subcapitata*: > 2,2 mg/L 0 - 4,9 mg/L (72 h)

#### Titanium dioxide; powder >1% particle aerodyn. <= 10µm

Fish toxicity, LC0, *Leuciscus idus* (golden orfe): > 1000 mg/L (48 h)

#### Ethyl acetate

Fish toxicity, LC50, *Pimephales promelas* (fathead minnow): > 230 mg/L (96 h)  
Daphnia toxicity, EC50, *Daphnia magna* (Big water flea): 610 mg/L (48 h)  
Algae toxicity, ErC50, *Desmodesmus subspicatus*: 5600 mg/L (48 h)  
Bacteria toxicity, EC10, *Pseudomonas putida*: 2900 mg/L (16 h)

#### propan-2-ol

Fish toxicity, LC50, *Pimephales promelas* (fathead minnow): 9840 mg/L (96 h)  
Daphnia toxicity, EC50, *Daphnia magna* (Big water flea): 9714 mg/L (48 h)  
Algae toxicity, ErC50, *Desmodesmus subspicatus*: > 1000 mg/L (72 h)

#### butan-1-ol

Fish toxicity, LC50, *Pimephales promelas* (fathead minnow): 1376 mg/L (96 h)  
Method: OECD 203  
Daphnia toxicity, EC50, *Daphnia magna* (Big water flea): 1328 mg/L (48 h)  
Method: OECD 202  
Algae toxicity, ErC50, *Selenastrum capricornutum*: 225 mg/L (96 h)  
Method: OECD 201  
Bacteria toxicity, EC50: > 1000 mg/L  
Method: DIN 38412 / part 27

#### Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

#### 2-methoxy-1-methylethyl acetate

Fish toxicity, NOEC, *Oryzias latipes* (Ricefish): 47,5 mg/L (14 D)  
Method: OECD 204  
Daphnia toxicity, NOEC, *Daphnia magna* (Big water flea): > 100 mg/L (21 D)  
Method: OECD 202

#### 12.2. Persistence and degradability

##### n-butyl acetate

, OECD 301D/ EEC 92/69/V, C.4-E: 0 (28 aerobic.); Evaluation Readily biodegradable (according to OECD criteria).  
Method: OECD 301D/ EEC 92/69/V, C.4-E

##### Ethyl acetate

, OECD 301D/ EEC 92/69/V, C.4-E: 79 % (28 D); Evaluation Readily biodegradable (according to OECD criteria).

#### 12.3. Bioaccumulative potential

##### n-butyl acetate

Partition coefficient: n-octanol/water:  
Method: OECD 117

#### 12.4. Mobility in soil

Toxicological data are not 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. Endocrine disrupting properties

No information available.

#### 12.7. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

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**Appropriate disposal / Product Recommendation**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**Control report for waste code/ waste marking according to EAKV:**

080111\* Waste paint and varnish containing organic solvents or other dangerous substances

\*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

**Appropriate disposal / Package Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

**SECTION 14: Transport information**

**14.1. UN number or ID number**

UN 1263

**14.2. UN proper shipping name**

Land transport (ADR/RID): Paint  
Sea transport (IMDG): PAINT  
Air transport (ICAO-TI / IATA-DGR): Paint

**14.3. Transport hazard class(es)**

3

**14.4. Packing group**

III

**14.5. Environmental hazards**

Land transport (ADR/RID) not applicable  
Marine pollutant not applicable

**14.6. Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

Tunnel restriction code D/E

**Sea transport (IMDG)**

EmS-No. F-E, S-E

**14.7. Maritime transport in bulk according to IMO instruments**

No transport as bulk according IBC - Code.

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU legislation**

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]**

Category: P5c FLAMMABLE LIQUIDS

Quantity 1: 5000 t / Quantity 2: 50000 t

**Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**

VOC-value (in g/L): 649

**Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**

VOC product category: (Cat. B/e) ; VOC limit value: 840 g/l

Maximum VOC content of the product in a ready to use condition (in g/L): 649

**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).

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VOC Switzerland, 58

**15.2. Chemical Safety Assessment**

**For the following substances of this mixture a chemical safety assessment has been carried out:**

EC No. CAS No.	Designation	REACH No.
204-658-1 123-86-4	n-butyl acetate	01-2119485493-29
236-675-5 13463-67-7	Titanium dioxide; powder >1% particle aerodyn. <= 10µm	01-2119489379-17-xxxx
205-500-4 141-78-6	Ethyl acetate	01-2119475103-46
203-603-9 108-65-6	2-methoxy-1-methylethyl acetate	01-2119475791-29-XXXX
918-668-5 128601-23-0	Hydrocarbons, C9, aromatics	01-2119455851-35
215-535-7 1330-20-7	Xylene	01-2119488216-32-xxxx
918-811-1	Hydrocarbons, C10, aromatics, <1% naphthalene	01-2119463583-34-xxxx
200-661-7 67-63-0	propan-2-ol	01-2119457558-25
202-849-4 100-41-4	ethylbenzene	01-2119489370-35
200-751-6 71-36-3	butan-1-ol	01-2119484630-38
265-199-0 64742-95-6	Lösungsmittelnaphta (Erdöl), leicht, aromatisch	01-2119455851-35-0000

**SECTION 16: Other information**

**Full text of classification in section 3:**

STOT SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Carc. 2 / H351	Carcinogenicity	Suspected of causing cancer if inhaled.
Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Flam. Sol. 1 / H228	flammable solids	Flammable solid.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
STOT RE 2 / H373	STOT-repeated exposure	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.

**Classification procedure**

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

Flam. Liq. 3	Flammable liquids	On basis of test data.
Eye Irrit. 2	Serious eye damage/eye irritation	Calculation method.
STOT SE 3	STOT-single exposure	Calculation method.
Aquatic Chronic 3	Hazardous to the aquatic environment	Calculation method.

**Further information**

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and

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EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.