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

### 1.1 Product identifier

Commercial Product Name **Triflex Metal Primer 3l**

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

Relevant identified uses base coat

Recommended restrictions Reserved for industrial and professional use.

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

Company designation

Triflex GmbH & Co. KG
Karlstrasse 59
D-32423 Minden
Telephone: +49 (0) 571 / 3 87 80 - 0
FAX: +49 (0) 571 / 3 87 80 - 738

Importer

**Schweiz:**
Triflex GmbH
Industriestrasse 18
CH-6252 Dagmersellen
Tel: +41 62 842 98 22
Fax +41 62 842 98 23

**Österreich:**
Triflex GesmbH
Gewerbepark 1
A-4880 St.Georgen im Attergau
Tel: +43 7667/21505
Fax: +43 7667/21505-10

**Nederland:**
Triflex BV
Boerendanserdijk 35
NL-8024 AE Zwolle
Tel: +31 38 460 2050
Fax: +31 6 53391526

**Belgie:**
Triflex BV/SRL
Diamantstraat 6c
B-2200 Herentals
Tel: +32 14 75 2550
Fax: +32 14 75 2614

**United Kingdom:**
Triflex (UK) Ltd.
Whitebridge Way
GB - STONE, STAFFORDSHIRE ST15 8JS
Fon: +44 1785 819119
Fax: +44 1785 819960

Responsible Department Environmental Department +49 (571) 9339-176

E-mail (competent person) sicherheitsdatenblatt@triflex.de

### 1.4 Emergency telephone number

Emergency telephone number Outside USA: -001 703 527 3887 (205625)

# SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 Flam. Liq. 2; H225 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336 STOT RE 2; H373

### 2.2 Label elements

Hazard pictogram


GHS02


GHS05


GHS07


GHS08

Signal word Danger

| | |
|---|---|
| Hazardous component(s) to be indicated on label | n-butyl acetate , xylene , 2-methoxy-1-methylethyl acetate , butan-1-ol |
| H-statement(s) | H225: Highly flammable liquid and vapour.<br>H315: Causes skin irritation.<br>H318: Causes serious eye damage.<br>H335: May cause respiratory irritation.<br>H336: May cause drowsiness or dizziness.<br>H373: May cause damage to organs through prolonged or repeated exposure . |
| P-statement(s) | P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P261: Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264: Wash thoroughly after handling.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P310: Immediately call a POISON CENTER/doctor.<br>P312: Call a POISON CENTER/doctor if you feel unwell.<br>P314: Get medical advice/attention if you feel unwell. |

# SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

### Hazardous ingredients

| Ingredient | Numbers | Classification (EC) 1272/2008 | Concentration |
|---|---|---|---|
| n-butyl acetate | CAS No.: 123-86-4<br>EC-No.: 204-658-1<br>Index-No.: 607-025-00-1<br>REACH No.:<br>01-2119485493-29-XXXX | Flam. Liq. 3; H226 STOT SE 3; H336 | 45.0 - 50.0 % by weight |
| xylene | CAS No.: 1330-20-7<br>EC-No.: 215-535-7<br>Index-No.: 601-022-00-9<br>REACH No.:<br>01-2119488216-32-XXXX | Flam. Liq. 3; H226 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304 | 20.0 - 25.0 % by weight |
| 2-methoxy-1-methylethyl acetate | CAS No.: 108-65-6<br>EC-No.: 203-603-9<br>Index-No.: 607-195-00-7<br>REACH No.:<br>01-2119475794-29-XXXX | Flam. Liq. 3; H226 STOT SE 3; H336 | 5.0 - 10.0 % by weight |
| butan-1-ol | CAS No.: 71-36-3<br>EC-No.: 200-751-6<br>Index-No.: 603-004-00-6<br>REACH No.:<br>01-2119484630-38-XXXX | Flam. Liq. 3; H226 Acute Tox. 4 ; H302 STOT SE 3; H335 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 | 5.0 - 10.0 % by weight |

### other substance information

| Ingredient | Numbers | M- factor - SCL - ATE | Other |
|---|---|---|---|
| n-butyl acetate | CAS No.: 123-86-4<br>EC-No.: 204-658-1<br>Index-No.: 607-025-00-1<br>REACH No.:<br>01-2119485493-29-XXXX | | |
| xylene | CAS No.: 1330-20-7<br>EC-No.: 215-535-7<br>Index-No.: 601-022-00-9<br>REACH No.:<br>01-2119488216-32-XXXX | * | |
| 2-methoxy-1-methylethyl acetate | CAS No.: 108-65-6<br>EC-No.: 203-603-9 | | |

| Ingredient | Numbers | M- factor - SCL - ATE | Other |
|---|---|---|---|
| | Index-No.: 607-195-00-7<br>REACH No.:<br>01-2119475794-29-XXXX | | |
| butan-1-ol | CAS No.: 71-36-3<br>EC-No.: 200-751-6<br>Index-No.: 603-004-00-6<br>REACH No.:<br>01-2119484630-38-XXXX | | |

# SECTION 4: First aid measures

### 4.1 Description of first aid measures

| | |
|---|---|
| General advice | Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance. |
| If inhaled | Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance. |
| In case of skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, get medical advice/attention. |
| In case of eye contact | In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| If swallowed | Rinse mouth.Do NOT induce vomiting.Call a physician immediately. |

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

| | |
|---|---|
| Immediate medical attention | Treat symptomatically. |

# SECTION 5: Firefighting measures

### 5.1 Extinguishing media

| | |
|---|---|
| Suitable extinguishing media | Carbon dioxide (CO2), Foam, Water spray, Dry powder |
| Extinguishing media which must not be used for safety reasons | High volume water jet |

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

| | |
|---|---|
| Special exposure hazards arising from the substance or preparation it | Vapours may form explosive mixtures with air. Provide sufficient air exchange and/or exhaust in work rooms.<br>Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Exposure to decomposition products may be a hazard to health. |

### 5.3 Advice for firefighters

| | |
|---|---|
| Special protective equipment for fire-fighting | In the event of fire, wear self-contained breathing apparatus. |
| Additional information on firefighting | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.Do not allow run-off from fire fighting to enter drains or water courses. |

# SECTION 6: Accidental release measures

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

| | |
|---|---|
| Personal precautions | Ensure adequate ventilation. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.<br>Use personal protective equipment. |

### 6.2 Environmental precautions

| | |
|---|---|
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. |

### 6.3 Methods and material for containment and cleaning up

| | |
|---|---|
| Methods for cleaning up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly.<br>Treat recovered material as described in the section "Disposal considerations". |

### 6.4 Reference to other sections

| | |
|---|---|
| Reference to other sections | Disposal considerations See also section 13 |

### 6.5 Additional information

| | |
|---|---|
| Other information | Treat recovered material as described in the section "Disposal considerations". |

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

| | |
|---|---|
| Advice on safe handling | Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment.<br>Handle and open container with care. Avoid contact with skin and eyes. |
| Precautions | Smoking, eating and drinking should be prohibited in the application area.For personal protection see section 8. Observe label precautions. |

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

| | |
|---|---|
| Storage space and container requirements | Storage must be in accordance with the BetrSichV (Germany). Keep in a cool, well-ventilated place. Keep in an area equipped with solvent resistant flooring.<br>Keep in properly labelled containers.Containers which are opened must be carefully resealed and kept upright to prevent leakage. |
| TRGS 510 | 3 |
| Advice on protection against fire and explosion | Take precautionary measures against static discharges.Vapours may form explosive mixture with air. Use water spray to cool unopened containers. |

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

n-butyl acetate

| Ireland | | | | |
|---|---|---|---|---|
| Long-term exposure value/ ppm | Long-term exposure value/ mg/m3 | Short-term exposure value / ppm | Short-term exposure value / mg/m3 | Source |
| 150 | 710 | 200 | 950 | Code of Practice for the Safety Health and Welfare at Work (2011) |

| Europe | | | | | |
|---|---|---|---|---|---|
| Long-term exposure value/ mg/m3 | Long-term exposure value/ ppm | Short-term exposure value / mg/m3 | Short-term exposure value / ppm | Issuing date | Source |
| 241 | 50 | 723 | 150 | 2019/1831 | DIRECTIVE 2009/161/EU |

| DNEL | Target group | Exposure route | Exposure frequency | Source |
|---|---|---|---|---|
| 35,7 mg/m³ | Workers | Inhalable fraction | Long term effects systemic | Company data |
| 11 mg/kg | Workers | dermal exposure | Long term effects systemic | Company data |

| PNEC | Exposure route | Source |
|---|---|---|
| 0,18 mg/l | freshwater | Company data |
| 0,018 mg/l | marine water | Company data |
| 35,6 mg/l | Waste water treatment | Company data |
| 0,981 mg/kg | freshwater sediment | Company data |
| 0,0981 mg/kg | marine sediment | Company data |
| 0,0903 mg/kg | Soil | Company data |

xylene

| Ireland | | | | | |
|---|---|---|---|---|---|
| Long-term exposure value/ ppm | Long-term exposure value/ mg/m3 | Short-term exposure value / ppm | Short-term exposure value / mg/m3 | Remarks | Source |
| 50 | 221 | 100 | 442 | Skin; IOELV | Code of Practice for the Safety Health and Welfare at Work (2011) |

| Europe | | | | | | |
|---|---|---|---|---|---|---|
| Long-term exposure value/ mg/m3 | Long-term exposure value/ ppm | Short-term exposure value / mg/m3 | Short-term exposure value / ppm | Note | Issuing date | Source |
| 221 | 50 | 442 | 100 | Skin | 2000/39 | DIRECTIVE 2009/161/EU |

| DNEL | Target group | Exposure route | Exposure frequency | Source |
|---|---|---|---|---|
| 77 mg/m³ | Workers | inhale | Long term effects systemic Local | Company data |
| 289 mg/m³ | Workers | inhale | Short-term effects systemic Local | Company data |
| 174 mg/m³ | Workers | dermal | Short-term effects Local | Company data |
| 174 mg/m³ | Consumers | inhale | Short-term effects Local + systemic | Company data |
| 14,8 mg/m³ | Consumers | Inhalation | Long term effects systemic | Company data |
| 1,6 mg/kg | Consumers | Oral | Long term effects systemic | Company data |
| 108 mg/kg | Consumers | dermal | Long term effects systemic | Company data |

| PNEC | Exposure route | Source |
|---|---|---|
| 0,327 mg/l | freshwater | Company data |
| 12,46 mg/kg | freshwater sediment | Company data |
| 2,31 mg/kg | Soil | Company data |
| 6,58 mg/l | Waste water treatment | Company data |

2-methoxy-1-methylethyl acetate

| Ireland | | | | | |
|---|---|---|---|---|---|
| Long-term exposure value/ ppm | Long-term exposure value/ mg/m3 | Short-term exposure value / ppm | Short-term exposure value / mg/m3 | Remarks | Source |
| 50 | 275 | 100 | 550 | Skin; IOELV | Code of Practice for the Safety Health and Welfare at Work (2011) |

| Europe | | | | | | |
|---|---|---|---|---|---|---|
| Long-term exposure value/ mg/m3 | Long-term exposure value/ ppm | Short-term exposure value / mg/m3 | Short-term exposure value / ppm | Note | Issuing date | Source |
| 275 | 50 | 550 | 100 | Skin | 2000/39 | DIRECTIVE 2009/161/EU |

| DNEL | Target group | Exposure route | Exposure frequency | Source |
|---|---|---|---|---|
| 275 mg/m³ | Workers | Inhalable fraction | Long term effects systemic | Company data |
| 796 mg/kg | Workers | dermal | Long term effects systemic | Company data |
| 33 mg/m³ | Consumers | Inhalation | Long term effects systemic | Company data |
| 320 mg/kg | Consumers | dermal | Long term effects systemic | Company data |
| 36 mg/kg | Consumers | Oral | Long term effects systemic | Company data |

| PNEC | Exposure route | Source |
|---|---|---|
| 0,635 mg/l | freshwater | Company data |
| 0,0064 mg/l | seawater | Company data |
| 6,35 mg/l | Continuous release. | Company data |
| 100 mg/l | Waste water pretreatment | Company data |
| 0,329 mg/kg | marine sediment | Company data |
| 0,29 mg/kg | Soil | Company data |
| 3,29 mg/kg | freshwater sediment | Company data |

butan-1-ol

| Ireland | |
|---|---|
| Long-term exposure value/ ppm | Source |
| 20 | Code of Practice for the Safety Health and Welfare at Work (2011) |

| DNEL | Target group | Exposure route | Exposure frequency | Source |
|---|---|---|---|---|
| 310 mg/m³ | Workers | Inhalation | Long term effects Local | Company data |

| PNEC | Exposure route | Source |
|---|---|---|
| 2,25 mg/l | Continuous release. freshwater | Company data |
| 8,2 µg/l | seawater | Company data |
| 2476 g/l | Waste water treatment | Company data |
| 324 µg/kg | freshwater sediment | Company data |
| 32,4 µg/kg | marine sediment | Company data |

### 8.2 Exposure controls

| | |
|---|---|
| Respiratory protection | Vapour during processing may be irritating to the respiratory tract and to the eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |
| Remarks | Recommended Filter type: A2<br>Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). |
| Hand protection | Protective gloves complying with EN 374.Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. |
| Unsuitable material | woven fabric, Leather gloves |
| Suitable material | Nitriles |
| Material thickness | 0,38 mm |
| Break through time | <25 min |
| Eye protection | Tightly fitting safety goggles |
| Skin and body protection | Wear suitable protective equipment. Long sleeved clothing |
| General protective and hygiene measures | Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes. |
| Engineering measures | Ensure adequate ventilation, especially in confined areas.If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn. |

# SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | liquid |
| Colour | grey |
| Odour | weak like solvent |
| Odour threshold | no data available |
| Melting point [°C] / Freezing point [°C] | not determined |
| Boiling point [°C] | 116 °C |
| Explosion limits [Vol-% ] | |
| Lower limit | 1,1 % |
| Upper limit | 9,4 % |
| Flash point [°C] | 22,5 °C |
| pH | no data available |
| Viscosity, kinematic [mm²/s] | 35 s |
| Water solubility [g/l] | nicht mischbar |
| Vapour pressure [kPa] | 6,7 hPa |
| Density [g/cm³] | 1,15 g/cm3 |

| | |
|---|---|
| Vapour density | >1 |

### 9.2 Other information

#### 9.2.2 Other safety-related parameters

| | |
|---|---|
| Evaporation rate [kg/(s*m²)] | 0,2 |
| Explosive properties | In use, may form flammable/explosive vapour-air mixture. |
| Form | Liquid |
| Flow time [s] | 75-85 sec |
| Measuring method | DIN cup 4 mm |

## SECTION 10: Stability and reactivity

### 10.3 Possibility of hazardous reactions

| | |
|---|---|
| Hazardous reactions | Risk of violent reaction. |

### 10.4 Conditions to avoid

| | |
|---|---|
| Conditions to avoid | Heat, flames and sparks. |

### 10.5 Incompatible materials

| | |
|---|---|
| Materials to avoid | Strong oxidizing agents, Strong acids and strong bases, Alkali metals |

## SECTION 11: Toxicological information

### 11.1 Information on the hazard classes within the meaning of Regulation (EU) No. 1272/2008

Oral toxicity [mg/kg]

Hazardous ingredients

| n-butyl acetate | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 10760 mg/kg | LD50 | rat | Company data |

| xylene | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 4300 mg/kg | LD50 | rat | Company data |

| 2-methoxy-1-methylethyl acetate | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 8532 mg/kg | LD50 | rat | Company data |

| butan-1-ol | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 2292 mg/kg | LD50 | rat | Company data |

Dermal toxicity [mg/kg]

Hazardous ingredients

| n-butyl acetate | | | | |
|---|---|---|---|---|
| Value | Test criterion | Test species | Measuring method | Source |

| | | | | |
|---|---|---|---|---|
| 14112 mg/kg | LD50 | rabbit | OECD Test Guideline 402 | Company data |

| xylene | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 12126 mg/kg | LD50 | rabbit | Company data |

| 2-methoxy-1-methylethyl acetate | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 5000 mg/kg | LD50 | rat | Company data |

| butan-1-ol | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 3434 mg/kg | LD50 | rabbit | Company data |

Inhalative toxicity [mg/l]

Hazardous ingredients

| 2-methoxy-1-methylethyl acetate | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 23,8 mg/kg | LD50 | rat | Company data |

| butan-1-ol | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 17,76 mg/l | LC0 | rat | Company data |

LC50 Inhalation 4h for vapours [mg/l]

Hazardous ingredients

| xylene | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 29,901 mg/l | LC50 | rat | Company data |

LC50 Inhalation 4h for dusts and sprays [mg/l]

Hazardous ingredients

| n-butyl acetate | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 23,4 mg/l | LC50 | rat | Company data |

| 2-methoxy-1-methylethyl acetate | | | |
|---|---|---|---|
| Value | Test criterion | Test species | Source |
| 23,8 mg/l | LC50 | rat | Company data |

Irritant effect on skin

Hazardous ingredients

| n-butyl acetate | |
|---|---|
| Value | Source |
| No skin irritation | Company data |

| xylene | |
|---|---|
| Value | Source |
| irritating | Company data |

| 2-methoxy-1-methylethyl acetate | |
|---|---|
| Value | Source |
| No skin irritation | Company data |

Irritant effect on eyes

Hazardous ingredients

| n-butyl acetate | |
|---|---|
| Value | Source |
| No eye irritation | Company data |

| xylene | |
|---|---|
| Value | Source |
| irritating Causes serious eye irritation. | Company data |

Sensitization

Hazardous ingredients

| n-butyl acetate | | |
|---|---|---|
| Value | Measuring method | Source |
| No sensitization responses were observed. | OECD Test Guideline 406 | Company data |

| xylene | |
|---|---|
| Value | Source |
| negative | Company data |

Mutagenicity

Hazardous ingredients

| n-butyl acetate | | |
|---|---|---|
| Value | Measuring method | Source |
| negative | Ames test | Company data |

| 2-methoxy-1-methylethyl acetate | |
|---|---|
| Value | Source |
| Did not show mutagenic effects in animal experiments. | Company data |

Carcinogenic effects

Hazardous ingredients

| 2-methoxy-1-methylethyl acetate | |
|---|---|
| Value | Source |
| Did not show carcinogenic effects in animal experiments. | Company data |

Reproduction toxicity

Hazardous ingredients

| 2-methoxy-1-methylethyl acetate | |
|---|---|
| Value | Source |
| Did not show teratogenic effects in animal experiments. | Company data |

Dermal absorption data

Hazardous ingredients

| xylene | |
|---|---|
| Value | Source |
| Dermal absorption possible | Company data |

| 2-methoxy-1-methylethyl acetate | |
|---|---|
| Value | Source |
| Dermal absorption possible | Company data |

Specific target organ toxicity (single exposure) [mg/kg]

Hazardous ingredients

| n-butyl acetate | |
|---|---|
| Value | Source |
| H336: May cause drowsiness or dizziness. | Company data |

| xylene | |
|---|---|
| Value | Source |
| Causes respiratory tract irritation. | Company data |

Specific target organ toxicity (repeated exposure) [mg/kg]

Hazardous ingredients

| n-butyl acetate | |
|---|---|
| Value | Source |
| No known effect. | Company data |

### 11.2 Information about other hazards

Experience in practice: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritating to eyes, respiratory system and skin. Irritating to mucous membranes

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish [mg/l]

Hazardous ingredients

| n-butyl acetate | | | | | |
|---|---|---|---|---|---|
| Value | Test criterion | Test species | Measuring method | Exposure duration [h] | Source |

| | | | | | |
|---|---|---|---|---|---|
| 18 mg/l | LC50 | Pimephales promelas (fathead minnow) | OECD Test Guideline 203 | 96 h | Company data |

| xylene | | | | |
|---|---|---|---|---|
| Value | Test criterion | Test species | Exposure duration [h] | Source |
| 2,6 mg/l | LC50 | Oncorhynchus mykiss (rainbow trout) | 96 h | Company data |

| 2-methoxy-1-methylethyl acetate | | | | | |
|---|---|---|---|---|---|
| Value | Test criterion | Test species | Measuring method | Exposure duration [h] | Source |
| >100 mg/l | LC50 | Orange-red killifish | OECD Test Guideline 203 | 96 h | Company data |

| butan-1-ol | | | |
|---|---|---|---|
| Value | Test criterion | Exposure duration [h] | Source |
| 1376 g/l | LC50 | 4 day(s) | Company data |

Toxicity to daphnia [mg/l]

Hazardous ingredients

| n-butyl acetate | | | | |
|---|---|---|---|---|
| Value | Test criterion | Test species | Exposure duration [h] | Source |
| 44 mg/l | EC50 | Daphnia magna (Water flea) | 48 h | Company data |

| xylene | | | | |
|---|---|---|---|---|
| Value | Test criterion | Test species | Exposure duration [h] | Source |
| 1,1 mg/l | EC50 | Daphnia magna (Water flea) | 48 h | Company data |

| 2-methoxy-1-methylethyl acetate | | | | | |
|---|---|---|---|---|---|
| Value | Test criterion | Test species | Exposure duration [h] | Measuring method | Source |
| >500 mg/l | EC50 | Daphnia magna (Water flea) | 48 h | Directive 67/548/EEC, Annex V, C.2. | Company data |

| butan-1-ol | | | |
|---|---|---|---|
| Value | Test criterion | Exposure duration [h] | Source |
| 1328 g/l | EC50 | 21 day(s) | Company data |

Toxicity to algae [mg/l]

Hazardous ingredients

| n-butyl acetate | | | | |
|---|---|---|---|---|
| Value | Test criterion | Test species | Exposure duration [h] | Source |
| 647 mg/l | EC50 | Desmodesmus subspicatus | 72 h | Company data |

| xylene | | | | |
|---|---|---|---|---|
| Value | Test criterion | Test species | Exposure duration [h] | Source |
| 2,2 mg/l | ErC50 | Algae (mg/l) | 72 h | Company data |

| 2-methoxy-1-methylethyl acetate | | | | | |
|---|---|---|---|---|---|
| Value | Test criterion | Test species | Exposure duration [h] | Measuring method | Source |
| >1000 mg/l | EC50 | Scendedesmus subspicatus | 72 h | OECD Test Guideline 201 | Company data |

| butan-1-ol | | | |
|---|---|---|---|
| Value | Test criterion | Exposure duration [h] | Source |
| 225 mg/l | EC50 | 4 day(s) | Company data |

NOEC (algae) [mg/l]

Hazardous ingredients

| n-butyl acetate | | |
|---|---|---|
| Value | Test species | Source |
| 200 mg/l | Desmodesmus subspicatus | Company data |

### 12.2 Persistence and degradability

Biodegradability

Hazardous ingredients

| n-butyl acetate | | | | |
|---|---|---|---|---|
| Value | Duration | Measuring method | Remarks | Source |
| 83 % | 28 day(s) | OECD 301D/ EEC 92/69/V, C.4-E | Readily biodegradable. | Company data |

| butan-1-ol | |
|---|---|
| Value | Source |
| Biodegradable. | Company data |

### 12.3 Bioaccumulative potential

Bioaccumulation

Hazardous ingredients

| n-butyl acetate | |
|---|---|
| Value | Source |
| no data available | Company data |

### 12.5 Results of PBT and vPvB assessment

| | |
|---|---|
| Results of PBT characteristics determination | This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). |

### 12.7 Other harmful effects

| | |
|---|---|
| Further information on ecology | We have no quantitative data concerning the ecological effects of this product. |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

| | |
|---|---|
| Disposal considerations | According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions: |
| Waste Code | 080111 - waste paint and varnish containing organic solvents or other dangerous substances |
| Uncleaned empty packaging | The return of packaging materials is regulated by the Interseroh system. |

## SECTION 14: Transport information

| | Land transport ADR/RID | Marine transport IMDG | Air transport ICAO/IATA |
|---|---|---|---|
| 14.1 UN-No | 1263 | 1263 | 1263 |
| 14.2 Description of the goods | PAINT | PAINT | PAINT |
| 14.3 Transport hazard class(es) | 3 | 3 | 3 |
| 14.4 Packaging group | II | II | II |
| Labels | 3  | 3  | 3  |
| Risk No. | 33 | | |
| Category | 2 | | |
| Factor | 3 | | |
| Classification Code | F1 | | |
| SP 640 | 640C | | |
| Tunnel restriction code | D/E | | |
| EmS | | F-E;_S-E | |
| Stowage category | | B | |

### 14.7 Bulk transport by sea according to IMO instruments

| | |
|---|---|
| Transport in bulk according to Annex II of MARPOL and the IBC Code | Not relevant |

## SECTION 15: Regulatory information

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

| | |
|---|---|
| Decopaint regulation | Directive 2004/42/EC-IIA/i:500 g/l(2010). < =698 g/l VOC |
| Additional regulations | Additionally, observe any national regulations! |
| Classification in compliance with the Industrial Safety Regulation | flammable |
| GISCODE | BSL60 |

| | |
|---|---|
| MAL-Code | 2-3 |

# SECTION 16: Other information

| | |
|---|---|
| Relevant H-phrases | H225: Highly flammable liquid and vapour.<br>H226: Flammable liquid and vapour.<br>H302: Harmful if swallowed.<br>H304: May be fatal if swallowed and enters airways.<br>H312: Harmful in contact with skin.<br>H315: Causes skin irritation.<br>H318: Causes serious eye damage.<br>H319: Causes serious eye irritation.<br>H332: Harmful if inhaled.<br>H335: May cause respiratory irritation.<br>H336: May cause drowsiness or dizziness.<br>H373: May cause damage to organs through prolonged or repeated exposure . |
| Wording of the hazard classes | Flam. Liq.: Flammable liquid<br>STOT SE: Specific target organ toxicity - single exposure<br>Acute Tox.: Acute toxicity<br>Skin Irrit.: Skin irritation<br>Eye Irrit.: Serious eye irritation<br>STOT RE: Specific target organ toxicity - repeated exposure<br>Asp. Tox.: Aspiration hazard<br>Eye Dam.: Serious eye damage |

Classification for mixtures and used evaluation method according to r

| Classification | Evaluation |
|---|---|
| Flam. Liq. 2; H225 | Calculated |
| Skin Irrit. 2; H315 | Calculated |
| Eye Dam. 1; H318 | Calculated |
| STOT SE 3; H335 | Calculated |
| STOT SE 3; H336 | Calculated |
| STOT RE 2; H373 | Calculated |

| | |
|---|---|
| Department issuing safety data sheet | Environmental Department |
| Recommended restrictions | Reserved for industrial and professional use. |

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