

Page 1 of 36
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.10.2022 / 0031
Replacing version dated / version: 01.06.2022 / 0030
Valid from: 07.10.2022
PDF print date: 07.10.2022
Fast drying Primer Light Grey
400 ml Art.: 6200 2505, Art.: 6204 2505

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

Fast drying Primer Light Grey
400 ml Art.: 6200 2505, Art.: 6204 2505

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

Base for spray-on lacquers

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

Theo Förch GmbH & Co. KG
Theo-Förch-Str. 11 – 15
74196 Neuenstadt
Tel.: 07139/95-0
Fax: 07139/95-199
Email: info@foerch.de
Homepage: www.foerch.com

Details of the supplier of the safety data sheet see section 16 of this safety data sheet.

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

IRL

National Poisons Information Centre, Beaumont Hospital, Dublin 9, Ireland, Tel.:
+353 (0)1 809 2166 (Public Poisons Info Line, 8am-10pm, 7 days a week)
+353 (0)1 809 2566 (Info for Healthcare Professionals ONLY, 24 h, 7 days a week)

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (TFC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

| Hazard class | Hazard category | Hazard statement |
|--------------|-----------------|--|
| Eye Irrit. | 2 | H319-Causes serious eye irritation. |
| STOT SE | 3 | H336-May cause drowsiness or dizziness. |
| Aerosol | 1 | H222-Extremely flammable aerosol. |
| Aerosol | 1 | H229-Pressurised container: May burst if heated. |

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505



Danger

H319-Causes serious eye irritation. H336-May cause drowsiness or dizziness. H222-Extremely flammable aerosol. H229-Pressurised container: May burst if heated.

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211-Do not spray on an open flame or other ignition source. P251-Do not pierce or burn, even after use. P261-Avoid breathing vapours or spray. P280-Wear eye protection.
 P312-Call a POISON CENTRE / doctor if you feel unwell.
 P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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.

Without adequate ventilation, formation of explosive mixtures may be possible.
 n-butyl acetate
 Ethyl acetate
 Acetone

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).
 The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).
 The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

Aerosol

3.1 Substances

n.a.

3.2 Mixtures

| Acetone | Substance for which an EU exposure limit value applies. |
|--|---|
| Registration number (REACH) | 01-2119471330-49-XXXX |
| Index | 606-001-00-8 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 200-662-2 |
| CAS | 67-64-1 |
| content % | 20-50 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |

| n-butyl acetate | Substance for which an EU exposure limit value applies. |
|--|---|
| Registration number (REACH) | 01-2119485493-29-XXXX |
| Index | 607-025-00-1 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 204-658-1 |
| CAS | 123-86-4 |
| content % | 1-10 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | EUH066 Flam. Liq. 3, H226 STOT SE 3, H336 |

Page 3 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | |
|--|--|
| 2-methoxy-1-methylethyl acetate | Substance for which an EU exposure limit value applies. |
| Registration number (REACH) | 01-2119475791-29-XXXX |
| Index | 607-195-00-7 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 203-603-9 |
| CAS | 108-65-6 |
| content % | 1-5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Flam. Liq. 3, H226 |

| | |
|--|---|
| Ethyl acetate | Substance for which an EU exposure limit value applies. |
| Registration number (REACH) | 01-2119475103-46-XXXX |
| Index | 607-022-00-5 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 205-500-4 |
| CAS | 141-78-6 |
| content % | 1-5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | EUH066 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |

| | |
|--|--|
| Ethanol | |
| Registration number (REACH) | 01-2119457610-43-XXXX |
| Index | 603-002-00-5 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 200-578-6 |
| CAS | 64-17-5 |
| content % | 1-5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Flam. Liq. 2, H225 Eye Irrit. 2, H319 |
| Specific Concentration Limits and ATE | Eye Irrit. 2, H319: >=50 % |

| | |
|--|--|
| Xylene | Substance for which an EU exposure limit value applies. |
| Registration number (REACH) | 01-2119488216-32-XXXX |
| Index | 601-022-00-9 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 215-535-7 |
| CAS | 1330-20-7 |
| content % | 1-5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | 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 |

| | |
|--|-------------------------------|
| Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm) | |
| Registration number (REACH) | 01-2119489379-17-XXXX |
| Index | 022-006-002 |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 236-675-5 |
| CAS | 13463-67-7 |
| content % | 1-5 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Carc. 2, H351 (as inhalation) |

| | |
|--|-----------------------------------|
| Glycolic acid n-butyl ester | |
| Registration number (REACH) | 01-2119514685-36-XXXX |
| Index | --- |
| EINECS, ELINCS, NLP, REACH-IT List-No. | 230-991-7 |
| CAS | 7397-62-8 |
| content % | 0,1-<1 |
| Classification according to Regulation (EC) 1272/2008 (CLP), M-factors | Eye Dam. 1, H318 Repr. 2, H361 |

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.
 For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.
 The substances named in this section are given with their actual, appropriate classification!

Page 4 of 36
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.10.2022 / 0031
Replacing version dated / version: 01.06.2022 / 0030
Valid from: 07.10.2022
PDF print date: 07.10.2022
Fast drying Primer Light Grey
400 ml Art.: 6200 2505, Art.: 6204 2505

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!
Never pour anything into the mouth of an unconscious person!

Inhalation

Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.
If the person is unconscious, place in a stable side position and consult a doctor.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Remove contact lenses.
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Typically no exposure pathway.
Rinse the mouth thoroughly with water.
Do not induce vomiting. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.
The following may occur:

Headaches
Dizziness
Coordination disorders
Mental confusion
Prevent drying out.
Dermatitis (skin inflammation)

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

CO2
Dry extinguisher
Foam
Water jet spray
Cool container at risk with water.

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:
Oxides of carbon
Toxic gases
Danger of bursting (explosion) when heated
Explosive vapour/air or gas/air mixtures.

5.3 Advice for firefighters

For personal protective equipment see Section 8.
In case of fire and/or explosion do not breathe fumes.
Protective respirator with independent air supply.
According to size of fire
Full protection, if necessary.
Cool container at risk with water.
Dispose of contaminated extinction water according to official regulations.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.10.2022 / 0031
Replacing version dated / version: 01.06.2022 / 0030
Valid from: 07.10.2022
PDF print date: 07.10.2022
Fast drying Primer Light Grey
400 ml Art.: 6200 2505, Art.: 6204 2505

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.
Ensure sufficient ventilation, remove sources of ignition.
Avoid dust formation with solid or powder products.
Leave the danger zone if possible, use existing emergency plans if necessary.
Remove possible causes of ignition - do not smoke.
Ensure sufficient supply of air.
Avoid inhalation, and contact with eyes or skin.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.

6.3 Methods and material for containment and cleaning up

If spray or gas escapes, ensure ample fresh air is available.

Active substance:

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.
Avoid inhalation of the vapours.
Keep away from sources of ignition - Do not smoke.
Do not use on hot surfaces.
Take precautions against electrostatic charges.
Avoid contact with eyes or skin.
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
Observe directions on label and instructions for use.
Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.
Not to be stored in gangways or stair wells.
Store product closed and only in original packing.
Do not store with flammable or self-igniting materials.
Observe special storage conditions.
Observe special regulations for aerosols!
Keep protected from direct sunlight and temperatures over 50°C.
Store in a well-ventilated place.
Store cool.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

GB IRL

Page 6 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| Chemical Name | | Acetone | |
|------------------------|--|--------------------|--|
| WEL-TWA: | 500 ppm (1210 mg/m ³) (WEL, EU) | WEL-STEL: | 1500 ppm (3620 mg/m ³) (WEL) |
| | | | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - Draeger - Acetone 100/b (CH 22 901) - Draeger - Acetone 40/a (5) (81 03 381) - Compur - KITA-102 SA (548 534) - Compur - KITA-102 SC (548 550) - Compur - KITA-102 SD (551 109) - INSHT MTA/MA-031/A96 (Determination of ketones (acetone, methyl ethyl ketone, methyl isobutyl ketone) in air - Charcoal tube method / Gas chromatography) - 1996 - EU project BC/CEN/ENTR/000/2002-16 card 67-1 (2004) - MDHS 72 (Volatile organic compounds in air – Laboratory method using pumped solid sorbent tubes, thermal desorption and gas chromatography) - 1993 - NIOSH 1300 (KETONES I) - 1994 - NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREENING)) - 1996 - NIOSH 2555 (KETONES I) - 2003 - NIOSH 3800 (ORGANIC AND INORGANIC GASES BY EXTRACTIVE FTIR SPECTROMETRY) - 2016 - OSHA 69 (Acetone) - 1988 | | |
| BMGV: | --- | Other information: | --- |

| Chemical Name | | Acetone | |
|------------------------|--|--------------------|-------|
| OELV-8h: | 500 ppm (1210 mg/m ³) (OELV-8h, EU) | OELV-15min: | --- |
| | | | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - Draeger - Acetone 100/b (CH 22 901) - Draeger - Acetone 40/a (5) (81 03 381) - Compur - KITA-102 SA (548 534) - Compur - KITA-102 SC (548 550) - Compur - KITA-102 SD (551 109) - INSHT MTA/MA-031/A96 (Determination of ketones (acetone, methyl ethyl ketone, methyl isobutyl ketone) in air - Charcoal tube method / Gas chromatography) - 1996 - EU project BC/CEN/ENTR/000/2002-16 card 67-1 (2004) - MDHS 72 (Volatile organic compounds in air – Laboratory method using pumped solid sorbent tubes, thermal desorption and gas chromatography) - 1993 - NIOSH 1300 (KETONES I) - 1994 - NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREENING)) - 1996 - NIOSH 2555 (KETONES I) - 2003 - NIOSH 3800 (ORGANIC AND INORGANIC GASES BY EXTRACTIVE FTIR SPECTROMETRY) - 2016 - OSHA 69 (Acetone) - 1988 | | |
| BLV: | 50 mg/l (U, b) (ACGIH-BEI) | Other information: | IOELV |

| Chemical Name | | n-butyl acetate | |
|------------------------|--|--------------------|---|
| WEL-TWA: | 150 ppm (724 mg/m ³) (WEL), 50 ppm (241 mg/m ³) (EU) | WEL-STEL: | 200 ppm (966 mg/m ³) (WEL), 150 ppm (723 mg/m ³) (EU) |
| | | | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - Compur - KITA-138 U (548 857) - Compur - KITA-139 SB(C) (549 731) - NIOSH 1450 (ESTERS 1) - 2003 - NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREENING)) - 1996 - OSHA 1009 (n-Butyl Acetate Isobutyl Acetate sec-Butyl Acetate tert-Butyl Acetate) - 2007 | | |
| BMGV: | --- | Other information: | --- |

| Chemical Name | | n-butyl acetate | |
|------------------------|--|--------------------|---|
| OELV-8h: | 50 ppm (241 mg/m ³) (OELV-8h, EU) | OELV-15min: | 150 ppm (723 mg/m ³) (OELV-15min, EU) |
| | | | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - Compur - KITA-138 U (548 857) - Compur - KITA-139 SB(C) (549 731) - NIOSH 1450 (ESTERS 1) - 2003 - NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREENING)) - 1996 - OSHA 1009 (n-Butyl Acetate Isobutyl Acetate sec-Butyl Acetate tert-Butyl Acetate) - 2007 | | |
| BLV: | --- | Other information: | --- |

| Chemical Name | | 2-methoxy-1-methylethyl acetate | |
|------------------------|---|---------------------------------|---|
| WEL-TWA: | 50 ppm (274 mg/m ³) (WEL), 50 ppm (275 mg/m ³) (EU) | WEL-STEL: | 100 ppm (548 mg/m ³) (WEL), 100 ppm (550 mg/m ³) (EU) |
| | | | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - INSHT MTA/MA-024/A92 (Determination of esters II (1-methoxy-2-propyl acetate, 2-ethoxyethyl acetate) in air - Charcoal tube method / Gas chromatography) - 1992 - EU project BC/CEN/ENTR/000/2002-16 card 15-1 (2004) | | |

Page 7 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | |
|-----------|--|
| | - NIOSH 2554 (GLYCOL ETHERS) - 2003 |
| | - OSHA 99 (Propylene Glycol Monomethyl Ethers/Acetates) - 1993 |
| BMGV: --- | Other information: Sk (WEL) |

| Chemical Name | | 2-methoxy-1-methylethyl acetate | |
|---|---|---------------------------------|-----|
| OELV-8h: 50 ppm (275 mg/m3) (OELV-8h, EU) | OELV-15min: 100 ppm (550 mg/m3) (OELV-15min, EU) | | --- |
| Monitoring procedures: | INSHT MTA/MA-024/A92 (Determination of esters II (1-methoxy-2-propyl acetate, 2-ethoxyethyl acetate) in air - Charcoal tube method / Gas chromatography) - 1992 - EU - project BC/CEN/ENTR/000/2002-16 card 15-1 (2004) - NIOSH 2554 (GLYCOL ETHERS) - 2003 - OSHA 99 (Propylene Glycol Monomethyl Ethers/Acetates) - 1993 | | |
| BLV: --- | Other information: Sk, IOELV | | |

| Chemical Name | | Ethyl acetate | |
|--|---|---------------|-----|
| WEL-TWA: 200 ppm (734 mg/m3) (WEL, EU) | WEL-STEL: 400 ppm (1468 mg/m3) (WEL, EU) | | --- |
| Monitoring procedures: | - Draeger - Ethyl Acetate 200/a (CH 20 201) - Compur - KITA-111 SA (549 160) - Compur - KITA-111 U(C) (549 178) - DFG Meth. Nr. 1 (D) (Loesungsmittelgemische 2), DFG (E) (Solvent mixtures 2) - 1993, 2002 - DFG Meth. Nr. 2 (D) (Loesungsmittelgemische 3), DFG (E) (Solvent mixtures 3) - 2014, 2002 - DFG Meth. Nr. 6 (D) (Loesungsmittelgemische 4), DFG (E) (Solvent mixtures 4) - 2014, 2002 - NIOSH 1457 (ETHYL ACETATE) - 1994 - NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREENING)) - 1996 | | |
| BMGV: --- | Other information: --- | | |

| Chemical Name | | Ethyl acetate | |
|--|---|---------------|-----|
| OELV-8h: 200 ppm (734 mg/m3) (OELV-8h, EU) | OELV-15min: 400 ppm (1468 mg/m3) (OELV-15min, EU) | | --- |
| Monitoring procedures: | - Draeger - Ethyl Acetate 200/a (CH 20 201) - Compur - KITA-111 SA (549 160) - Compur - KITA-111 U(C) (549 178) - DFG Meth. Nr. 1 (D) (Loesungsmittelgemische 2), DFG (E) (Solvent mixtures 2) - 1993, 2002 - DFG Meth. Nr. 2 (D) (Loesungsmittelgemische 3), DFG (E) (Solvent mixtures 3) - 2014, 2002 - DFG Meth. Nr. 6 (D) (Loesungsmittelgemische 4), DFG (E) (Solvent mixtures 4) - 2014, 2002 - NIOSH 1457 (ETHYL ACETATE) - 1994 - NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREENING)) - 1996 | | |
| BLV: --- | Other information: --- | | |

| Chemical Name | | Ethanol | |
|--------------------------------|---|---------|-----|
| WEL-TWA: 1000 ppm (1920 mg/m3) | WEL-STEL: --- | | --- |
| Monitoring procedures: | - Draeger - Alcohol 25/a Ethanol (81 01 631) - Compur - KITA-104 SA (549 210) - DFG (D) (Loesungsmittelgemische), Methode Nr. 6 DFG (E) (Solvent mixtures) - 2013, 2002 - EU project BC/CEN/ENTR/000/2002-16 card 63-2 (2004) - DFG Meth. Nr. 2 (D) (Loesungsmittelgemische) - 2013 - EU project BC/CEN/ENTR/000/2002-16 card 63-2 (2004) - DFG Meth. Nr. 3 (D) (Loesungsmittelgemische) - 2013 - EU project BC/CEN/ENTR/000/2002-16 card 63-2 (2004) | | |
| BMGV: --- | Other information: --- | | |

| Chemical Name | | Ethanol | |
|------------------------|---|---------|-----|
| OELV-8h: 1000 ppm | OELV-15min: --- | | --- |
| Monitoring procedures: | - Draeger - Alcohol 25/a Ethanol (81 01 631) - Compur - KITA-104 SA (549 210) - DFG (D) (Loesungsmittelgemische), Methode Nr. 6 DFG (E) (Solvent mixtures) - 2013, 2002 - EU project BC/CEN/ENTR/000/2002-16 card 63-2 (2004) - DFG Meth. Nr. 2 (D) (Loesungsmittelgemische) - 2013 - EU project BC/CEN/ENTR/000/2002-16 card 63-2 (2004) - DFG Meth. Nr. 3 (D) (Loesungsmittelgemische) - 2013 - EU project BC/CEN/ENTR/000/2002-16 card 63-2 (2004) | | |
| BLV: --- | Other information: --- | | |

GB IRL

Page 8 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| Chemical Name | | Xylene | |
|--|--|--------|-----|
| WEL-TWA: 220 mg/m ³ (50 ppm) (WEL), 50 ppm (221 mg/m ³) (EU) | WEL-STEL: 100 ppm (441 mg/m ³) (WEL), 100 ppm (442 mg/m ³) (EU) | --- | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - Draeger - Xylene 10/a (67 33 161) - Compur - KITA-143 SA (550 325) - Compur - KITA-143 SB (505 998) - INSHT MTA/MA-030/A92 (Determination of aromatic hydrocarbons (benzene, toluene, ethylbenzene, p-xylene, 1,2,4-trimethylbenzene) in air - Charcoal tube method / Gas chromatography) - 1992 - EU project BC/CEN/ENTR/000/2002-16 card 47-1 (2004) - NIOSH 1501 (HYDROCARBONS, AROMATIC) - 2003 - NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREENING)) - 1996 - OSHA 1002 (Xylenes (o-, m-, p-isomers) Ethylbenzene) - 1999 | | |
| BMGV: 650 mmol methyl hippuric acid/mol creatinine in urine, post shift (Xylene, o-, m-, p- or mixed isomers) (BMGV) | Other information: Sk (WEL) | | |

| Chemical Name | | Xylene | |
|---|--|--------|-----|
| OELV-8h: 50 ppm (221 mg/m ³) (OELV-8h, EU) | OELV-15min: 100 ppm (442 mg/m ³) (OELV-15min, EU) | --- | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - Draeger - Xylene 10/a (67 33 161) - Compur - KITA-143 SA (550 325) - Compur - KITA-143 SB (505 998) - INSHT MTA/MA-030/A92 (Determination of aromatic hydrocarbons (benzene, toluene, ethylbenzene, p-xylene, 1,2,4-trimethylbenzene) in air - Charcoal tube method / Gas chromatography) - 1992 - EU project BC/CEN/ENTR/000/2002-16 card 47-1 (2004) - NIOSH 1501 (HYDROCARBONS, AROMATIC) - 2003 - NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREENING)) - 1996 - OSHA 1002 (Xylenes (o-, m-, p-isomers) Ethylbenzene) - 1999 | | |
| BLV: 1,5 g/g creatine (Methylhippuric acids in urine, end of shift) (ACGIH-BEI) | Other information: Sk | | |

| Chemical Name | | Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm) | |
|---|------------------------|--|-----|
| WEL-TWA: 10 mg/m ³ (total inhalable dust), 4 mg/m ³ (respirable dust) | WEL-STEL: --- | --- | --- |
| Monitoring procedures: | --- | | |
| BMGV: --- | Other information: --- | | |

| Chemical Name | | Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm) | |
|---|------------------------|--|-----|
| OELV-8h: 4 mg/m ³ (respirable dust), 10 mg/m ³ (total inhalable dust) | OELV-15min: --- | --- | --- |
| Monitoring procedures: | --- | | |
| BLV: --- | Other information: --- | | |

| Chemical Name | | Butane | |
|--|---|--------|-----|
| WEL-TWA: 600 ppm (1450 mg/m ³) | WEL-STEL: 750 ppm (1810 mg/m ³) | --- | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - Compur - KITA-221 SA (549 459) - OSHA PV2010 (n-Butane) - 1993 | | |
| BMGV: --- | Other information: --- | | |

| Chemical Name | | Butane | |
|------------------------|---|--------|-----|
| OELV-8h: --- | OELV-15min: 1000 ppm | --- | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - Compur - KITA-221 SA (549 459) - OSHA PV2010 (n-Butane) - 1993 | | |
| BLV: --- | Other information: --- | | |

| Chemical Name | | Propane | |
|---------------------------|--|---------|-----|
| WEL-TWA: 1000 ppm (ACGIH) | WEL-STEL: --- | --- | --- |
| Monitoring procedures: | <ul style="list-style-type: none"> - Compur - KITA-125 SA (549 954) - OSHA PV2077 (Propane) - 1990 | | |
| BMGV: --- | Other information: --- | | |

| Chemical Name | | Talc | |
|--|------------------------|------|-----|
| WEL-TWA: 1 mg/m ³ (res. dust) | WEL-STEL: --- | --- | --- |
| Monitoring procedures: | --- | | |
| BMGV: --- | Other information: --- | | |

| Chemical Name | | Talc | |
|---|-----------------|------|-----|
| OELV-8h: 0,8 mg/m ³ (respirable dust), 10 mg/m ³ (total inhalable dust) | OELV-15min: --- | --- | --- |
| Monitoring procedures: | --- | | |

GB IRL

Page 9 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | |
|----------|------------------------|
| BLV: --- | Other information: --- |
|----------|------------------------|

| Chemical Name | Calcium carbonate | |
|---|------------------------|-----|
| WEL-TWA: 4 mg/m3 (respirable dust), 10 mg/m3 (total inhalable dust) | WEL-STEL: --- | --- |
| Monitoring procedures: --- | | |
| BMGV: --- | Other information: --- | |

| Chemical Name | Calcium carbonate | |
|--|------------------------|-----|
| OELV-8h: 4 mg/m3 (respirable dust), 10 mg/m3 (total inhalable dust) (Calcium carbonate/Limestone/Marble) | OELV-15min: --- | --- |
| Monitoring procedures: --- | | |
| BLV: --- | Other information: --- | |

| Acetone | | | | | | |
|---------------------|---|-----------------------------|------------|-------|--------------|-----------------------------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - marine | | PNEC | 1,06 | mg/l | Assesment factor 500 |
| | Environment - freshwater | | PNEC | 10,6 | mg/l | Assesment factor 50 |
| | Environment - sediment, freshwater | | PNEC | 30,4 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 3,04 | mg/kg dw | |
| | Environment - soil | | PNEC | 29,5 | mg/kg dw | |
| | Environment - sewage treatment plant | | PNEC | 19,5 | mg/l | |
| | Environment - sporadic (intermittent) release | | PNEC | 21 | mg/l | Assesment factor 100 |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 62 | mg/kg bw/day | Overall assesment factor 2 |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 62 | mg/kg bw/day | Overall assesment factor 20 |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 200 | mg/m3 | Overall assesment factor 5 |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 186 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 2420 | mg/m3 | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 1210 | mg/m3 | |

| n-butyl acetate | | | | | | |
|---------------------|--|-----------------------------|------------|--------|-------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 0,18 | mg/l | |
| | Environment - marine | | PNEC | 0,018 | mg/l | |
| | Environment - periodic release | | PNEC | 0,36 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 0,981 | mg/kg | |
| | Environment - sediment, marine | | PNEC | 0,0981 | mg/kg | |
| | Environment - soil | | PNEC | 0,0903 | mg/kg | |
| | Environment - sewage treatment plant | | PNEC | 35,6 | mg/l | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 3,4 | mg/kg | |

Page 10 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | |
|---------------------|--------------------|------------------------------|------|------|-------------------|--|
| Consumer | Human - inhalation | Short term, systemic effects | DNEL | 300 | mg/m ³ | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 35,7 | mg/m ³ | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 300 | mg/m ³ | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 35,7 | mg/m ³ | |
| Consumer | Human - dermal | Short term, systemic effects | DNEL | 6 | mg/kg bw/day | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 2 | mg/kg bw/day | |
| Consumer | Human - oral | Short term, systemic effects | DNEL | 2 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 600 | mg/m ³ | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 300 | mg/m ³ | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 7 | mg/kg bw/d | |
| Workers / employees | Human - dermal | Short term, systemic effects | DNEL | 11 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 600 | mg/m ³ | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 300 | mg/m ³ | |

2-methoxy-1-methylethyl acetate

| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|--|------------------------------|------------|--------|-------------------|------|
| | Environment - freshwater | | PNEC | 0,635 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 3,29 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 0,329 | mg/kg dw | |
| | Environment - soil | | PNEC | 0,29 | mg/kg dw | |
| | Environment - sewage treatment plant | | PNEC | 100 | mg/l | |
| | Environment - marine | | PNEC | 0,0635 | mg/l | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 6,35 | mg/l | |
| Consumer | Human - oral | Short term, systemic effects | DNEL | 500 | mg/kg bw/day | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 33 | mg/m ³ | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 320 | mg/kg bw/day | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 36 | mg/kg bw/day | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 796 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 275 | mg/m ³ | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 550 | mg/m ³ | |

Ethyl acetate

| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
|---------------------|--|------------------|------------|-------|------|------|
| | Environment - freshwater | | PNEC | 0,24 | mg/l | |
| | Environment - marine | | PNEC | 0,024 | mg/l | |

| | | | | | | |
|---------------------|--|------------------------------|------|-------|-------|--|
| | Environment - water, sporadic (intermittent) release | | PNEC | 1,65 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 1,15 | mg/kg | |
| | Environment - sediment, marine | | PNEC | 0,115 | mg/kg | |
| | Environment - soil | | PNEC | 0,148 | mg/kg | |
| | Environment - sewage treatment plant | | PNEC | 650 | mg/l | |
| | Environment - oral (animal feed) | | PNEC | 200 | mg/kg | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 4,5 | mg/kg | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 37 | mg/kg | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 367 | mg/m3 | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 367 | mg/m3 | |
| Consumer | Human - inhalation | Short term, systemic effects | DNEL | 734 | mg/m3 | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 734 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 63 | mg/kg | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 734 | mg/m3 | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 734 | mg/m3 | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 1468 | mg/m3 | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 1468 | mg/m3 | |

| Ethanol | | | | | | |
|---------------------|--|-----------------------------|------------|-------|------------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 0,96 | mg/l | |
| | Environment - marine | | PNEC | 0,79 | mg/l | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 2,75 | mg/l | |
| | Environment - sewage treatment plant | | PNEC | 580 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 3,6 | mg/kg dry weight | |
| | Environment - soil | | PNEC | 0,63 | mg/kg dry weight | |
| | Environment - oral (animal feed) | | PNEC | 0,38 | g/kg feed | |
| | Environment - sediment, marine | | PNEC | 2,9 | mg/kg dry weight | |
| Consumer | Human - dermal | Short term, local effects | DNEL | 950 | mg/m3 | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 114 | mg/m3 | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 87 | mg/kg | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 206 | mg/kg bw/d | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 950 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 343 | mg/kg bw/d | |

Page 12 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | |
|---------------------|--------------------|-----------------------------|------|------|-------------------|--|
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 950 | mg/m ³ | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 1900 | mg/m ³ | |

| Xylene | | | | | | |
|---------------------|--|------------------------------|------------|-------|-------------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - periodic release | | PNEC | 0,327 | mg/l | |
| | Environment - sewage treatment plant | | PNEC | 6,58 | mg/l | |
| | Environment - freshwater | | PNEC | 0,327 | mg/l | |
| | Environment - marine | | PNEC | 0,327 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 12,46 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 12,46 | mg/kg dw | |
| | Environment - soil | | PNEC | 2,31 | mg/kg dw | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 0,327 | mg/l | |
| Consumer | Human - inhalation | Short term, local effects | DNEL | 174 | mg/m ³ | |
| Consumer | Human - inhalation | Short term, systemic effects | DNEL | 174 | mg/m ³ | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 14,8 | mg/m ³ | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 108 | mg/kg bw/day | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 1,6 | mg/kg bw/day | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 65,3 | mg/m ³ | |
| Workers / employees | Human - inhalation | Short term, local effects | DNEL | 289 | mg/m ³ | |
| Workers / employees | Human - inhalation | Short term, systemic effects | DNEL | 289 | mg/m ³ | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 77 | mg/m ³ | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 180 | mg/kg bw/day | |
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 221 | mg/m ³ | |

| Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm) | | | | | | |
|--|--|-----------------------------|------------|--------|------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 0,184 | mg/l | |
| | Environment - marine | | PNEC | 0,0184 | mg/l | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 0,193 | mg/l | |
| | Environment - sewage treatment plant | | PNEC | 100 | mg/l | |
| | Environment - sediment, freshwater | | PNEC | 1000 | mg/kg dw | |
| | Environment - sediment, marine | | PNEC | 100 | mg/kg dw | |
| | Environment - soil | | PNEC | 100 | mg/kg dw | |
| | Environment - oral (animal feed) | | PNEC | 1667 | mg/kg feed | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 700 | mg/kg bw/d | |

Page 13 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | |
|---------------------|--------------------|--------------------------|------|----|-------|--|
| Workers / employees | Human - inhalation | Long term, local effects | DNEL | 10 | mg/m3 | |
|---------------------|--------------------|--------------------------|------|----|-------|--|

| Glycolic acid n-butyl ester | | | | | | |
|-----------------------------|--|-----------------------------|------------|-------|------------|------|
| Area of application | Exposure route / Environmental compartment | Effect on health | Descriptor | Value | Unit | Note |
| | Environment - freshwater | | PNEC | 0,023 | mg/l | |
| | Environment - soil | | PNEC | 0,005 | mg/kg dw | |
| | Environment - sediment, freshwater | | PNEC | 0,094 | mg/kg dw | |
| | Environment - sewage treatment plant | | PNEC | 3,71 | mg/l | |
| | Environment - water, sporadic (intermittent) release | | PNEC | 0,5 | mg/l | |
| | Environment - marine | | PNEC | 0,002 | mg/l | |
| | Environment - sediment, marine | | PNEC | 0,009 | mg/kg dw | |
| Consumer | Human - oral | Long term, systemic effects | DNEL | 2 | mg/kg bw/d | |
| Consumer | Human - dermal | Long term, systemic effects | DNEL | 20,8 | mg/kg bw/d | |
| Consumer | Human - inhalation | Long term, systemic effects | DNEL | 43,5 | mg/m3 | |
| Consumer | Human - dermal | Long term, local effects | DNEL | 0,28 | mg/cm2 | |
| Consumer | Human - inhalation | Long term, local effects | DNEL | 43,5 | mg/m3 | |
| Workers / employees | Human - dermal | Long term, systemic effects | DNEL | 10 | mg/kg bw/d | |
| Workers / employees | Human - inhalation | Long term, systemic effects | DNEL | 7,05 | mg/m3 | |

(SE) WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
 (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.
 (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

(IRL) OELV-8h = Occupational Exposure Limit Value (8-hour reference period). (IFV) = Inhalable Fraction and Vapour. (I) = Inhalable Fraction. (R) = Respirable Fraction.
 (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). |
 OELV-15min = Occupational Exposure Limit Value (15-minute reference period). (IFV) = Inhalable Fraction and Vapour. (I) = Inhalable Fraction. (R) = Respirable Fraction.
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). |
 BLV = Biological limit value |
 Other information: Carc1A, Carc1B = carcinogenic substance, Cat. 1A or 1B. Muta1A, Muta1B = mutagenic substance, Cat. 1A or 1B. Repr1A, Repr1B = Substances known to be toxic for reproduction, Cat. 1A or 1B. Sk = can be absorbed through skin. Asphx = asphyxiant. Sen = Respiratory sensitizer. BOELV = Binding Occupational Exposure Limit Values. IOELV = Indicative Occupational Exposure Limit Values.
 (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Page 14 of 36
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.10.2022 / 0031
Replacing version dated / version: 01.06.2022 / 0030
Valid from: 07.10.2022
PDF print date: 07.10.2022
Fast drying Primer Light Grey
400 ml Art.: 6200 2505, Art.: 6204 2505

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.
Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.
These are specified by e.g. EN 14042.
EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
Solvent resistant protective gloves (EN ISO 374).
Recommended
Protective Viton® / fluoroelastomer gloves (EN ISO 374).
Permeation time (penetration time) in minutes:
>= 480
Protective gloves in butyl rubber (EN ISO 374).
Minimum layer thickness in mm:
0,5
Permeation time (penetration time) in minutes:
>= 480
Protective hand cream recommended.
The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.
The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:
Protective working garment, antistatic (EN1149)

Respiratory protection:
If the general dust-limit is exceeded, breathing masks with fine-dust filters are necessary (EN 143), code colour white.
Filter A P2 (EN 14387), code colour brown, white
Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:
Not applicable

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|--|
| Physical state: | Aerosol. Active substance: liquid. |
| Colour: | Grey |
| Odour: | Characteristic |
| Melting point/freezing point: | There is no information available on this parameter. |
| Boiling point or initial boiling point and boiling range: | n.a. |

Page 15 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

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|--|--|
| Flammability: | Does not apply to aerosols. |
| Lower explosion limit: | 1,5 Vol-% |
| Upper explosion limit: | 13 Vol-% |
| Flash point: | <0 (Liquid concentrate) |
| Auto-ignition temperature: | 365 °C |
| Decomposition temperature: | There is no information available on this parameter. |
| pH: | Mixture is non-soluble (in water). |
| Kinematic viscosity: | Does not apply to aerosols. |
| Solubility: | Insoluble |
| Partition coefficient n-octanol/water (log value): | Does not apply to mixtures. |
| Vapour pressure: | There is no information available on this parameter. |
| Density and/or relative density: | 0,82 g/cm ³ |
| Relative vapour density: | Does not apply to aerosols. |
| Particle characteristics: | Does not apply to aerosols. |

9.2 Other information

| | |
|---|---|
| Explosives: | Product is not explosive. Possible build up of explosive/highly flammable vapour/air mixture. |
| Aerosols - Chemical heat of combustion: | There is no information available on this parameter. |
| Oxidising liquids: | There is no information available on this parameter. |
| Solvents content: | 82,83 |
| Molar mass: | There is no information available on this parameter. |
| Metal content: | There is no information available on this parameter. |

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

Electrostatic charge

10.5 Incompatible materials

See also section 7.

Avoid contact with oxidizing agents.

Avoid contact with strong acids.

Avoid contact with strong alkalis.

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

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

Possibly more information on health effects, see Section 2.1 (classification).

Fast drying Primer Light Grey

400 ml Art.: 6200 2505, Art.: 6204 2505

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|------------------------------------|----------|-------|---------|----------|-------------|------------------------------|
| Acute toxicity, by oral route: | | | | | | n.d.a. |
| Acute toxicity, by dermal route: | ATE | >2000 | mg/kg | | | calculated value |
| Acute toxicity, by inhalation: | ATE | >20 | mg/l/4h | | | calculated value, Vapours |
| Acute toxicity, by inhalation: | ATE | >5 | mg/l/4h | | | calculated value, Aerosol |
| Skin corrosion/irritation: | | | | | | n.d.a. |
| Serious eye damage/irritation: | | | | | | n.d.a. |
| Respiratory or skin sensitisation: | | | | | | n.d.a. |

Page 16 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

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|---|--|--|--|--|--|--------|
| Germ cell mutagenicity: | | | | | | n.d.a. |
| Carcinogenicity: | | | | | | n.d.a. |
| Reproductive toxicity: | | | | | | n.d.a. |
| Specific target organ toxicity - single exposure (STOT-SE): | | | | | | n.d.a. |
| Specific target organ toxicity - repeated exposure (STOT-RE): | | | | | | n.d.a. |
| Aspiration hazard: | | | | | | n.d.a. |
| Symptoms: | | | | | | n.d.a. |

| Acetone | | | | | | |
|---|----------|--------|------------|------------------------|--|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 5800 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >15800 | mg/kg | Rat | | |
| Acute toxicity, by inhalation: | LC50 | 76 | mg/l/4h | Rat | | |
| Skin corrosion/irritation: | | | | Guinea pig | | Not irritant, Repeated exposure may cause skin dryness or cracking. |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Irrit. 2 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | Not sensitising |
| Germ cell mutagenicity: | | | | Mouse | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | Mammalian | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |
| Reproductive toxicity (Developmental toxicity): | | | | Rat | OECD 414 (Prenatal Developmental Toxicity Study) | Negative |
| Symptoms: | | | | | | unconsciousness, vomiting, headaches, gastrointestinal disturbances, fatigue, mucous membrane irritation, dizziness, nausea, drowsiness |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 900 | mg/kg bw/d | Rat | OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) | |

| n-butyl acetate | | | | | | |
|----------------------------------|----------|--------|---------|----------|---|--------------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 10760 | mg/kg | Rat | OECD 423 (Acute Oral Toxicity - Acute Toxic Class Method) | |
| Acute toxicity, by dermal route: | LD50 | >14112 | mg/kg | Rabbit | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | 21,1 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | Vapours |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |

Page 17 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | |
|---|-------|------|-------|------------------------|---|---|
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Not irritant |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Reproductive toxicity: | NOAEC | 9640 | mg/m3 | | OECD 416 (Two-generation Reproduction Toxicity Study) | Negative |
| Specific target organ toxicity - single exposure (STOT-SE): | | | | | | Vapours may cause drowsiness and dizziness. |
| Specific target organ toxicity - repeated exposure (STOT-RE): | | | | | | Negative |
| Symptoms: | | | | | | drowsiness, unconsciousness, headaches, drowsiness, mucous membrane irritation, dizziness, nausea and vomiting. |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEC | 500 | ppm | Rat | | |

2-methoxy-1-methylethyl acetate

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|------------------------------------|----------|-------|---------|------------|--|---|
| Acute toxicity, by oral route: | LD50 | >5000 | mg/kg | Rabbit | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rat | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | 35,7 | mg/l/4h | Rat | | Vapours |
| Acute toxicity, by inhalation: | LC50 | >23,8 | mg/l/6h | Rat | | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | | Mild irritant |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | | OECD 471 (Bacterial Reverse Mutation Test) | No indications of such an effect. |
| Symptoms: | | | | | | respiratory distress, drowsiness, unconsciousness, vomiting, headaches, mucous membrane irritation, dizziness, nausea |

Ethyl acetate

| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
|----------------------------------|----------|--------|---------|----------|--------------------------------|---------|
| Acute toxicity, by oral route: | LD50 | 4934 | mg/kg | Rabbit | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >20000 | mg/kg | Rabbit | | |
| Acute toxicity, by inhalation: | LC0 | 29,3 | mg/l/4h | Rat | | Vapours |

Page 18 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

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|---|-------|-------|------------|------------------------|---|---|
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant, Repeated exposure may cause skin dryness or cracking. |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Irrit. 2 |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | Mammalian | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | Mammalian | OECD 474 (Mammalian Erythrocyte Micronucleus Test) | Negative |
| Carcinogenicity: | | | | | | Negative |
| Reproductive toxicity: | | | | | | Negative |
| Aspiration hazard: | | | | | | No |
| Symptoms: | | | | | | lack of appetite, breathing difficulties, drowsiness, unconsciousness, drop in blood pressure, cornea opacity, coughing, headaches, gastrointestinal disturbances, intoxication, drowsiness, mucous membrane irritation, dizziness, salivation, nausea and vomiting., fatigue |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 900 | mg/kg bw/d | Rat | Regulation (EC) 440/2008 B.26 (SUB-CHRONIC ORAL TOXICITY TEST REPEATED DOSE 90 - DAY (RODENTS)) | |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEL | 0,002 | mg/kg | Rat | Regulation (EC) 440/2008 B.29 (SUB-CHRONIC INHALATION TOXICITY STUDY 90-DAY REPEATED (RODENTS)) | |

| Ethanol | | | | | | |
|----------------------------------|----------|----------|---------|----------|--------------------------------------|---------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 10470 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rabbit | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | 51-124,7 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | Vapours |

Page 19 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

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|---|-------|-------|------------|------------------------|--|---|
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Eye Irrit. 2 |
| Respiratory or skin sensitisation: | | | | Mouse | OECD 429 (Skin Sensitisation - Local Lymph Node Assay) | No (skin contact) |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | Mouse | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | | OECD 475 (Mammalian Bone Marrow Chromosome Aberration Test) | Negative |
| Carcinogenicity: | NOAEL | >3000 | mg/kg | Rat | OECD 451 (Carcinogenicity Studies) | 24 mon |
| Reproductive toxicity: | NOAEL | 5200 | mg/kg bw/d | Rat | OECD 416 (Two-generation Reproduction Toxicity Study) | |
| Specific target organ toxicity - repeated exposure (STOT-RE): | NOAL | >20 | mg/l | Rat | OECD 403 (Acute Inhalation Toxicity) | Male |
| Specific target organ toxicity - repeated exposure (STOT-RE): | NOAEL | 1730 | mg/kg/d | Rat | OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) | Female |
| Symptoms: | | | | | | respiratory distress, drowsiness, unconsciousness, drop in blood pressure, vomiting, coughing, headaches, intoxication, drowsiness, mucous membrane irritation, dizziness, nausea |

| Xylene | | | | | | |
|----------------------------------|----------|-------|---------|----------|--|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 3523 | mg/kg | Rat | Regulation (EC) 440/2008 B.1 (ACUTE ORAL TOXICITY) | |
| Acute toxicity, by dermal route: | LD50 | 12126 | mg/kg | Rabbit | | Does not conform with EU classification. |
| Acute toxicity, by inhalation: | LC50 | 29,09 | mg/l/4h | Rat | Regulation (EC) 440/2008 B.2 (ACUTE TOXICITY (INHALATION)) | Vapours, Does not conform with EU classification. |
| Skin corrosion/irritation: | | | | Rabbit | (Draize-Test) | Irritant |
| Serious eye damage/irritation: | | | | Rabbit | | Irritant |

Page 20 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

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|------------------------------------|--|--|--|-------|--|---|
| Respiratory or skin sensitisation: | | | | Mouse | OECD 429 (Skin Sensitisation - Local Lymph Node Assay) | No (skin contact) |
| Carcinogenicity: | | | | Mouse | Regulation (EC) 440/2008 B.32 (CARCINOGENICITY TEST) | Negative |
| Symptoms: | | | | | | breathing difficulties, drying of the skin., drowsiness, unconsciousness , burning of the membranes of the nose and throat, skin afflictions, heart/circulatory disorders, coughing, headaches, drowsiness, dizziness, nausea and vomiting., lack of appetite |

| Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm) | | | | | | |
|--|----------|-------|---------|------------------------|--|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | >5000 | mg/kg | Rat | OECD 425 (Acute Oral Toxicity - Up-and-Down Procedure) | |
| Acute toxicity, by dermal route: | LD50 | >5000 | mg/kg | Rabbit | | |
| Acute toxicity, by inhalation: | LC50 | >6,8 | mg/l/4h | Rat | | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Not irritant, Mechanical irritation possible. |
| Respiratory or skin sensitisation: | | | | Mouse | OECD 429 (Skin Sensitisation - Local Lymph Node Assay) | Not sensitizing |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | No (skin contact) |
| Germ cell mutagenicity: | | | | Mouse | OECD 474 (Mammalian Erythrocyte Micronucleus Test) | Negative |
| Germ cell mutagenicity: | | | | Mammalian | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | (Ames-Test) | Negative |
| Germ cell mutagenicity: | | | | | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Reproductive toxicity (Developmental toxicity): | | | | Rat | OECD 414 (Prenatal Developmental Toxicity Study) | No indications of such an effect. |
| Specific target organ toxicity - single exposure (STOT-SE): | | | | | | Not irritant (respiratory tract). |

Page 21 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

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|---|-------|------|---------|-----|--|---|
| Symptoms: | | | | | | mucous membrane irritation, coughing, respiratory distress, drying of the skin. |
| Specific target organ toxicity - repeated exposure (STOT-RE), oral: | NOAEL | 3500 | mg/kg/d | Rat | | 90d |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEC | 10 | mg/m3 | Rat | | 90d |

| Glycolic acid n-butyl ester | | | | | | |
|---|----------|-------|------------|------------|--|---------------------------------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | 4595 | mg/kg | Rat | OECD 401 (Acute Oral Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | > 6,2 | mg/l/4h | Rat | | |
| Acute toxicity, by inhalation: | LC50 | > 6,2 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Risk of serious damage to eyes. |
| Respiratory or skin sensitisation: | | | | Guinea pig | OECD 406 (Skin Sensitisation) | Not sensitising |
| Germ cell mutagenicity: | | | | | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | Mouse | OECD 476 (In Vitro Mammalian Cell Gene Mutation Test) | Negative |
| Reproductive toxicity: | NOAEL | 250 | mg/kg bw/d | Rat | OECD 414 (Prenatal Developmental Toxicity Study) | |
| Reproductive toxicity (Developmental toxicity): | NOAEL | 1250 | mg/kg bw/d | Rat | OECD 414 (Prenatal Developmental Toxicity Study) | Female |
| Aspiration hazard: | | | | | | No |

| Butane | | | | | | |
|--------------------------------|----------|-------|---------|------------------------|--|----------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by inhalation: | LC50 | 658 | mg/l/4h | Rat | | |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Germ cell mutagenicity: | | | | | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | Human being | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | Rat | OECD 474 (Mammalian Erythrocyte Micronucleus Test) | Negative |
| Aspiration hazard: | | | | | | No |

Page 22 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | |
|---|-------|--------|------|-----|--|--|
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEC | 21,394 | mg/l | Rat | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) | |
| Symptoms: | | | | | | ataxia, breathing difficulties, drowsiness, unconsciousness, frostbite, disturbed heart rhythm, headaches, cramps, intoxication, dizziness, nausea and vomiting. |

| Propane | | | | | | |
|---|----------|--------|---------|------------------------|--|--|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by inhalation: | LC50 | 658 | mg/l/4h | Rat | | |
| Acute toxicity, by inhalation: | LC50 | 260000 | ppmV/4h | Rat | | Gasses, Male, Analogous conclusion |
| Skin corrosion/irritation: | | | | | | Not irritant |
| Serious eye damage/irritation: | | | | | | Not irritant |
| Germ cell mutagenicity: | | | | | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |
| Germ cell mutagenicity: | | | | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Reproductive toxicity (Developmental toxicity): | NOAEC | 21,641 | mg/l | | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) | |
| Aspiration hazard: | | | | | | No |
| Symptoms: | | | | | | breathing difficulties, unconsciousness, frostbite, headaches, cramps, mucous membrane irritation, dizziness, nausea and vomiting. |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEL | 7,214 | mg/l | Rat | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) | |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | LOAEL | 21,641 | mg/l | Rat | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) | |

| Talc | | | | | | |
|----------------------------------|----------|-------|-------|----------|-------------|-------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | >5000 | mg/kg | Rat | | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rat | | |

Page 23 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | |
|------------------------------------|--|--|--|--------|--|----------------------------|
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Skin corrosion/irritation: | | | | | | Not irritant |
| Respiratory or skin sensitisation: | | | | | | Not sensitizing |
| Germ cell mutagenicity: | | | | | OECD 471 (Bacterial Reverse Mutation Test) | Negative |
| Carcinogenicity: | | | | | | Negative |
| Reproductive toxicity: | | | | Rat | | Negative |
| Symptoms: | | | | | | mucous membrane irritation |

| Calcium carbonate | | | | | | |
|------------------------------------|----------|--------|---------|----------|--|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Acute toxicity, by oral route: | LD50 | >2000 | mg/kg | Rat | OECD 420 (Acute Oral toxicity - Fixe Dose Procedure) | |
| Acute toxicity, by oral route: | LD50 | > 5000 | mg/kg | Rat | | |
| Acute toxicity, by dermal route: | LD50 | >2000 | mg/kg | Rat | OECD 402 (Acute Dermal Toxicity) | |
| Acute toxicity, by inhalation: | LC50 | >3 | mg/l/4h | Rat | OECD 403 (Acute Inhalation Toxicity) | |
| Skin corrosion/irritation: | | | | Rabbit | OECD 404 (Acute Dermal Irritation/Corrosion) | Not irritant |
| Serious eye damage/irritation: | | | | Rabbit | OECD 405 (Acute Eye Irritation/Corrosion) | Not irritant, Mechanical irritation possible. |
| Respiratory or skin sensitisation: | | | | | | No (skin contact) |
| Germ cell mutagenicity: | | | | | in vitro | Negative |
| Carcinogenicity: | | | | | | Negative, administered as Ca-lactate |
| Reproductive toxicity: | | | | | | Negative, administered as Ca-carbonate |

11.2. Information on other hazards

| Fast drying Primer Light Grey 400 ml Art.: 6200 2505, Art.: 6204 2505 | | | | | | |
|--|----------|-------|------|----------|-------------|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Endocrine disrupting properties: | | | | | | Does not apply to mixtures. |
| Other information: | | | | | | No other relevant information available on adverse effects on health. |

| n-butyl acetate | | | | | | |
|--------------------|----------|-------|------|----------|-------------|---|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |
| Other information: | | | | | | Repeated exposure may cause skin dryness or cracking. |

| Ethanol | | | | | | |
|-------------------|----------|-------|------|----------|-------------|-------|
| Toxicity / effect | Endpoint | Value | Unit | Organism | Test method | Notes |

Page 24 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | | |
|--------------------|--|--|--|--|--|--|---|
| Other information: | | | | | | | Excessive alcohol consumption during pregnancy induces the foetus alcohol syndrome (reduced weight at birth, physical and mental disorders)., There is no sign that this syndrome is also caused by dermal or inhalative absorption., Experiences on persons. |
|--------------------|--|--|--|--|--|--|---|

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

| Fast drying Primer Light Grey 400 ml Art.: 6200 2505, Art.: 6204 2505 | | | | | | | |
|--|----------|------|-------|------|----------|-------------|---|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | | | | | | | n.d.a. |
| 12.1. Toxicity to daphnia: | | | | | | | n.d.a. |
| 12.1. Toxicity to algae: | | | | | | | n.d.a. |
| 12.2. Persistence and degradability: | | | | | | | n.d.a. |
| 12.3. Bioaccumulative potential: | | | | | | | n.d.a. |
| 12.4. Mobility in soil: | | | | | | | n.d.a. |
| 12.5. Results of PBT and vPvB assessment | | | | | | | n.d.a. |
| 12.6. Endocrine disrupting properties: | | | | | | | Does not apply to mixtures. |
| 12.7. Other adverse effects: | | | | | | | No information available on other adverse effects on the environment. |
| Other information: | | | | | | | DOC-elimination degree(complexing organic substance)>= 80%/28d: n.a. |
| Other information: | | | | | | | According to the recipe, contains no AOX. |

| Acetone | | | | | | | |
|-------------------------|----------|------|-------|------|---------------------|-------------|-------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| Other organisms: | EC5 | 72h | 28 | mg/l | Entosiphon sulcatum | | |
| 12.1. Toxicity to fish: | EC50 | 96h | 8300 | mg/l | Lepomis macrochirus | | |
| 12.1. Toxicity to fish: | LC50 | 96h | 8300 | mg/l | Lepomis macrochirus | | |
| 12.1. Toxicity to fish: | LC50 | 96h | 5540 | mg/l | Oncorhynchus mykiss | | |
| 12.1. Toxicity to fish: | LC50 | 96h | 7500 | mg/l | Leuciscus idus | | |

Page 25 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | | |
|--|-----------|-------|------------|------|---------------------------------|---|-------------------------------------|
| 12.1. Toxicity to daphnia: | EC50 | 48h | 6100-12700 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 8800 | mg/l | Daphnia pulex | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 28d | 2212 | mg/l | Daphnia pulex | OECD 211 (Daphnia magna Reproduction Test) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 8d | 530 | mg/l | | DIN 38412 T.9 | Test organism: M. aeruginosa |
| 12.1. Toxicity to algae: | EC50 | 48h | 4740 | mg/l | Pseudokirchneriella subcapitata | | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 48h | 3400 | mg/l | Pseudokirchneriella subcapitata | | |
| 12.2. Persistence and degradability: | | 28d | 91 | % | | OECD 301 A (Ready Biodegradability - DOC Die-Away Test) | Readily biodegradable |
| 12.2. Persistence and degradability: | | 28d | 91 | % | | OECD 301 B (Ready Biodegradability - Co2 Evolution Test) | Readily biodegradable |
| 12.2. Persistence and degradability: | | 30d | 81-92 | % | | Regulation (EC) 440/2008 C.4-E (DETERMINATION OF 'READY' BIODEGRADABILITY - CLOSED BOTTLE TEST) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | -0,24 | | | OECD 107 (Partition Coefficient (n-octanol/water) - Shake Flask Method) | |
| 12.3. Bioaccumulative potential: | BCF | | 0,19 | | | | Low |
| 12.4. Mobility in soil: | | | | | | | No adsorption in soil. |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | EC10 | 30min | 1000 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |
| Toxicity to bacteria: | BOD/COD | 16h | 1700 | mg/l | Pseudomonas putida | | |
| Other information: | BOD5 | | 1760-1900 | mg/g | | | |
| Other information: | AOX | | 0 | % | | | |
| Other information: | COD | | 2070 | mg/g | | | |

n-butyl acetate

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|------------------------------|----------|------|-------|------|----------|-------------|--------------------------------------|
| 12.7. Other adverse effects: | | | | | | | Product floats on the water surface. |

Page 26 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | | |
|--|-----------|-----|----------|------|-------------------------|--|-------------------------------------|
| 12.1. Toxicity to fish: | LC50 | 96h | 18 | mg/l | Pimephales promelas | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 44 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 23 | mg/l | Daphnia magna | OECD 211 (Daphnia magna Reproduction Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 397 | mg/l | Scenedesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 72h | 200 | mg/l | Desmodesmus subspicatus | | |
| 12.2. Persistence and degradability: | | 28d | 98 | % | | OECD 301 D (Ready Biodegradability - Closed Bottle Test) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | 1,78-2,3 | | | | Low |
| 12.3. Bioaccumulative potential: | BCF | | 15,3 | | | | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | EC10 | | 959 | mg/l | Pseudomonas putida | | |

2-methoxy-1-methylethyl acetate

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--|-----------|------|---------|------|---------------------------|--|-------------------------------------|
| 12.3. Bioaccumulative potential: | Log Pow | | 1,2 | | | OECD 117 (Partition Coefficient (n-octanol/water) - HPLC method) | 20°C |
| 12.1. Toxicity to fish: | LC50 | 96h | 100-180 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >500 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | >100 | mg/l | Daphnia magna | OECD 211 (Daphnia magna Reproduction Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | >1000 | mg/l | Selenastrum capricornutum | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | 28d | 90 | % | | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Readily biodegradable |
| 12.4. Mobility in soil: | Koc | | 1,7 | | | | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |

Page 27 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | | |
|-----------------------|------|-------|-------|------|------------------|--|--|
| Toxicity to bacteria: | EC20 | 30min | >1000 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |
|-----------------------|------|-------|-------|------|------------------|--|--|

| Ethyl acetate | | | | | | | |
|---|-----------|-------|---------|----------------|-------------------------------------|---|---|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | NOEC/NOEL | 32d | <9,65 | mg/l | Pimephales promelas | | |
| 12.1. Toxicity to fish: | LC50 | 96h | 230 | mg/l | Pimephales promelas | | |
| 12.1. Toxicity to fish: | LC50 | 48h | 333 | mg/l | Leuciscus idus | | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 610 | mg/l | Daphnia magna | DIN 38412 T.11 | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 21d | 2,4 | mg/l | Daphnia magna | OECD 211 (Daphnia magna Reproduction Test) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 165 | mg/l | | | Daphnia cucullata |
| 12.1. Toxicity to algae: | EC50 | 48h | 5600 | mg/l | Desmodesmus subspicatus | DIN 38412 T.9 | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 96h | 2000 | mg/l | Scenedesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | EC50 | 96h | >2000 | mg/l | Pseudokirchneriell a subcapitata | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | NOEC/NOEL | 72h | >100 | mg/l | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.1. Toxicity to algae: | EC50 | 48h | 3300 | mg/l | Scenedesmus subspicatus | | |
| 12.2. Persistence and degradability: | | 20d | 79 | % | | OECD 301 D (Ready Biodegradability - Closed Bottle Test) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | BCF | 72h | 30 | | | | (Fish) |
| 12.3. Bioaccumulative potential: | Log Kow | | 0,68 | | | OECD 107 (Partition Coefficient (n- octanol/water) - Shake Flask Method) | Bioaccumulation is unlikely (LogPow < 1).25 °C |
| 12.4. Mobility in soil: | H (Henry) | | 0,00012 | atm*m3/m ol | | | |
| 12.4. Mobility in soil: | Koc | | 3 | | | | |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | EC10 | 16h | 2900 | mg/l | Escherichia coli | | |
| Toxicity to bacteria: | EC50 | 15min | 5870 | mg/l | Photobacterium phosphoreum | | |
| Toxicity to bacteria: | EC10 | 18h | 2900 | mg/l | Pseudomonas putida | DIN 38412 T.8 | |

| Ethanol | | | | | | | |
|-------------------------|----------|------|-------|------|------------------------|--|-------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.1. Toxicity to fish: | LC50 | 96h | 13000 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |

| | | | | | | | |
|--|-----------|------|-------------------|------|--------------------|--|---|
| 12.1. Toxicity to fish: | NOEC/NOEL | 120h | 250 | mg/l | Brachydanio rerio | OECD 212 (Fish, Short-term Toxicity Test on Embryo and Sac-fry Stages) | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | 5414 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to daphnia: | NOEC/NOEL | 10d | 9,6 | mg/l | Ceriodaphnia spec. | | References |
| 12.1. Toxicity to algae: | EC50 | 72h | 275 | mg/l | Chlorella vulgaris | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | 28d | 97 | % | activated sludge | OECD 301 B (Ready Biodegradability - Co2 Evolution Test) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | Log Pow | | (-0,35) - (-0,32) | | | | Bioaccumulation is unlikely (LogPow < 1). |
| 12.3. Bioaccumulative potential: | BCF | | 0,66 - 3,2 | | | | |
| 12.4. Mobility in soil: | H (Henry) | | 0,000138 | | | | |
| 12.4. Mobility in soil: | Koc | | 1,0 | | | | Highestimated |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | IC50 | 3h | >1000 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | Analogous conclusion |
| Other organisms: | NOEC/NOEL | | 280 | mg/l | Lemna gibba | OECD 201 (Alga, Growth Inhibition Test) | |
| Other information: | COD | | 1,9 | g/g | | | |
| Other information: | BOD5 | | 1 | g/g | | | |

| Xylene | | | | | | | |
|--------------------------------------|-----------|------|-------------|-----------|----------|--|---|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| 12.4. Mobility in soil: | Log Koc | | 2,73 | | | | |
| 12.2. Persistence and degradability: | | 28d | 98 | % | | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Readily biodegradable |
| 12.3. Bioaccumulative potential: | BCF | | >5,5 - 25,9 | | | | |
| 12.3. Bioaccumulative potential: | Log Pow | | 2,77-3,2 | | | | A notable biological accumulation potential is not to be expected (LogPow 1-3). |
| 12.4. Mobility in soil: | H (Henry) | | 623-665 | Pa*m3/mol | | | |

| Titanium dioxide (in powder form containing 1 % or more of particles with aerodynamic diameter <= 10 µm) | | | | | | | |
|--|----------|------|-------|------|----------|-------------|-------|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |

Page 29 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | | |
|--|-----------|-----|--------|-------|---------------------------------|--|--|
| 12.1. Toxicity to fish: | LC50 | 96h | >100 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to daphnia: | LC50 | 48h | >100 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to algae: | EC50 | 72h | 16 | mg/l | Pseudokirchneriella subcapitata | U.S. EPA-600/9-78-018 | |
| 12.2. Persistence and degradability: | | | | | | | Not relevant for inorganic substances. |
| 12.3. Bioaccumulative potential: | BCF | 42d | 9,6 | | | | Not to be expected |
| 12.3. Bioaccumulative potential: | BCF | 14d | 19-352 | | | | Oncorhynchus mykiss |
| 12.4. Mobility in soil: | | | | | | | Negative |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | | | >5000 | mg/l | Escherichia coli | | |
| Toxicity to bacteria: | LC0 | 24h | >10000 | mg/l | Pseudomonas fluorescens | | |
| Toxicity to annelids: | NOEC/NOEL | | >1000 | mg/kg | Eisenia foetida | | |
| Water solubility: | | | | | | | Insoluble20°C |

Glycolic acid n-butyl ester

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--|----------|------|---------|------|--------------------|--|-------------------------------------|
| 12.1. Toxicity to daphnia: | EC50 | 48h | >100 | mg/l | | | |
| 12.1. Toxicity to algae: | EC50 | 7d | > 87,44 | mg/l | | OECD 221 (Lemna sp. Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | 28d | 82 | % | | OECD 301 B (Ready Biodegradability - Co2 Evolution Test) | |
| 12.3. Bioaccumulative potential: | Log Pow | | 0,38 | | | | calculated value |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |
| Toxicity to bacteria: | EC20 | 18h | 2320 | mg/l | Pseudomonas putida | DIN 38412 T.8 | |

Butane

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|--|----------|------|-------|------|----------|-------------|---|
| 12.1. Toxicity to fish: | LC50 | 96h | 24,11 | mg/l | | QSAR | |
| 12.1. Toxicity to daphnia: | LC50 | 48h | 14,22 | mg/l | | QSAR | |
| 12.3. Bioaccumulative potential: | Log Pow | | 2,98 | | | | A notable biological accumulation potential is not to be expected (LogPow 1-3). |
| 12.4. Mobility in soil: | | | | | | | Not to be expected |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |

Propane

| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
|-------------------|----------|------|-------|------|----------|-------------|-------|
|-------------------|----------|------|-------|------|----------|-------------|-------|

Page 30 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

| | | | | | | | |
|--|---------|--|------|--|--|--|---|
| 12.3. Bioaccumulative potential: | Log Pow | | 2,28 | | | | A notable biological accumulation potential is not to be expected (LogPow 1-3). |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |

| Talc | | | | | | | |
|--|----------|------|-------|------|----------|-------------|--|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| Water solubility: | | | <0,1 | % | | | |
| 12.2. Persistence and degradability: | | | | | | | Not relevant for inorganic substances. |
| 12.5. Results of PBT and vPvB assessment | | | | | | | No PBT substance, No vPvB substance |

| Calcium carbonate | | | | | | | |
|--|----------|------|--------|------|-------------------------|--|---|
| Toxicity / effect | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
| Toxicity to bacteria: | EC50 | 3h | >1000 | mg/l | activated sludge | OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)) | |
| Toxicity to annelids: | | | | | Eisenia foetida | OECD 207 (Earthworm, Acute Toxicity Tests) | Negative |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >100 | mg/l | Daphnia magna | OECD 202 (Daphnia sp. Acute Immobilisation Test) | |
| 12.1. Toxicity to fish: | LC50 | 96h | >100 | mg/l | Oncorhynchus mykiss | OECD 203 (Fish, Acute Toxicity Test) | |
| 12.1. Toxicity to fish: | LC50 | 96h | >10000 | mg/l | Oncorhynchus mykiss | | |
| 12.1. Toxicity to daphnia: | EC50 | 48h | >1000 | mg/l | Daphnia magna | | |
| 12.1. Toxicity to algae: | EC50 | 72h | >200 | mg/l | Desmodesmus subspicatus | | |
| 12.1. Toxicity to algae: | EC50 | 72h | >14 | mg/l | Desmodesmus subspicatus | OECD 201 (Alga, Growth Inhibition Test) | |
| 12.2. Persistence and degradability: | | | | | | | Inorganic products cannot be eliminated from water through biological purification methods. |
| 12.3. Bioaccumulative potential: | | | | | | | Not relevant for inorganic substances. |
| 12.4. Mobility in soil: | | | | | | | Not relevant for inorganic substances. |
| 12.5. Results of PBT and vPvB assessment | | | | | | | Not relevant for inorganic substances. |

Page 31 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

20 01 99 other fractions not otherwise specified

07 01 04 other organic solvents, washing liquids and mother liquors

16 05 04 gases in pressure containers (including halons) containing hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Take full aerosol cans to problem waste collection.

Take emptied aerosol cans to valuable material collection.

For contaminated packing material

Pay attention to local and national official regulations.

15 01 04 metallic packaging

15 01 01 paper and cardboard packaging

SECTION 14: Transport information

General statements

14.1. UN number or ID number: 1950

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

UN 1950 AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4. Packing group: -

Classification code: 5F

LQ: 1 L

14.5. Environmental hazards: Not applicable

Tunnel restriction code: D

Transport by sea (IMDG-code)

14.2. UN proper shipping name:

AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4. Packing group: -

EmS: F-D, S-U

Marine Pollutant: n.a

14.5. Environmental hazards: Not applicable

Transport by air (IATA)

14.2. UN proper shipping name:

Aerosols, flammable

14.3. Transport hazard class(es): 2.1

14.4. Packing group: -

14.5. Environmental hazards: Not applicable

14.6. Special precautions for user

Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

14.7. Maritime transport in bulk according to IMO instruments

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

Comply with special provisions.



SECTION 15: Regulatory information

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
 PDF print date: 07.10.2022
 Fast drying Primer Light Grey
 400 ml Art.: 6200 2505, Art.: 6204 2505

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

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)! This product is regulated by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

For exceptions see Regulation (EU) 2019/1148 and guidelines for the implementation of Regulation (EU) 2019/1148.

Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!

Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

| Hazard categories | Notes to Annex I | Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Lower-tier requirements | Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Upper-tier requirements |
|-------------------|------------------|---|---|
| P3a | 11.1 | 150 (netto) | 500 (netto) |

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 2 - This product contains the substances listed below:

| Entry Nr | Dangerous substances | Notes to Annex I | Qualifying quantity (tonnes) for the application of - Lower-tier requirements | Qualifying quantity (tonnes) for the application of - Upper-tier requirements |
|----------|--|------------------|---|---|
| 18 | Liquefied flammable gases, Category 1 or 2 (including LPG) and natural gas | 19 | 50 | 200 |

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC): 81,4 %

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 8
 Employee training in handling dangerous goods is required.
 These details refer to the product as it is delivered.
 Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

| Classification in accordance with regulation (EC) No. 1272/2008 (CLP) | Evaluation method used |
|---|---|
| Eye Irrit. 2, H319 | Classification according to calculation procedure. |
| STOT SE 3, H336 | Classification according to calculation procedure. |
| Aerosol 1, H222 | Classification according to calculation procedure. |
| Aerosol 1, H229 | Classification based on the form or physical state. |

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H351 Suspected of causing cancer by inhalation.

Page 33 of 36
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.10.2022 / 0031
Replacing version dated / version: 01.06.2022 / 0030
Valid from: 07.10.2022
PDF print date: 07.10.2022
Fast drying Primer Light Grey
400 ml Art.: 6200 2505, Art.: 6204 2505

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.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
EUH066 Repeated exposure may cause skin dryness or cracking.

Eye Irrit. — Eye irritation
STOT SE — Specific target organ toxicity - single exposure - narcotic effects
Aerosol — Aerosols
Flam. Liq. — Flammable liquid
Acute Tox. — Acute toxicity - dermal
Acute Tox. — Acute toxicity - inhalation
Skin Irrit. — Skin irritation
STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation
STOT RE — Specific target organ toxicity - repeated exposure
Asp. Tox. — Aspiration hazard
Carc. — Carcinogenicity
Eye Dam. — Serious eye damage
Repr. — Reproductive toxicity

Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.
Guidelines for the preparation of safety data sheets as amended (ECHA).
Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).
Safety data sheets for the constituent substances.
ECHA Homepage - Information about chemicals.
GESTIS Substance Database (Germany).
German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).
EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.
National Lists of Occupational Exposure Limits for each country as amended.
Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

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Page 34 of 36

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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Fast drying Primer Light Grey

400 ml Art.: 6200 2505, Art.: 6204 2505

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Page 35 of 36
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 07.10.2022 / 0031
 Replacing version dated / version: 01.06.2022 / 0030
 Valid from: 07.10.2022
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Any abbreviations and acronyms used in this document:

acc., acc. to according, according to
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
 AOX Adsorbable organic halogen compounds
 approx. approximately
 Art., Art. no. Article number
 ASTM ASTM International (American Society for Testing and Materials)
 ATE Acute Toxicity Estimate
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
 BCF Bioconcentration factor
 BSEF The International Bromine Council
 bw body weight
 CAS Chemical Abstracts Service
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
 CMR carcinogenic, mutagenic, reproductive toxic
 DMEL Derived Minimum Effect Level
 DNEL Derived No Effect Level
 DOC Dissolved organic carbon
 dw dry weight
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance
 EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)
 EC European Community
 ECHA European Chemicals Agency
 ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect
 EEC European Economic Community
 EINECS European Inventory of Existing Commercial Chemical Substances
 ELINCS European List of Notified Chemical Substances
 EN European Norms
 EPA United States Environmental Protection Agency (United States of America)
 ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)
 etc. et cetera
 EU European Union
 EVAL Ethylene-vinyl alcohol copolymer
 Fax. Fax number
 gen. general
 GHS Globally Harmonized System of Classification and Labelling of Chemicals
 GWP Global warming potential
 Koc Adsorption coefficient of organic carbon in the soil
 Kow octanol-water partition coefficient
 IARC International Agency for Research on Cancer
 IATA International Air Transport Association
 IBC (Code) International Bulk Chemical (Code)
 IMDG-code International Maritime Code for Dangerous Goods
 incl. including, inclusive
 IUCLID International Uniform Chemical Information Database
 IUPAC International Union for Pure Applied Chemistry
 LC50 Lethal Concentration to 50 % of a test population

Page 36 of 36
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 07.10.2022 / 0031
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LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
Log Kow, Log Pow Logarithm of octanol-water partition coefficient
LQ Limited Quantities
MARPOL International Convention for the Prevention of Marine Pollution from Ships
n.a. not applicable
n.av. not available
n.c. not checked
n.d.a. no data available
NIOSH National Institute for Occupational Safety and Health (USA)
NLP No-longer-Polymer
NOEC, NOEL No Observed Effect Concentration/Level
OECD Organisation for Economic Co-operation and Development
org. organic
OSHA Occupational Safety and Health Administration (USA)
PBT persistent, bioaccumulative and toxic
PE Polyethylene
PNEC Predicted No Effect Concentration
ppm parts per million
PVC Polyvinylchloride
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SVHC Substances of Very High Concern
Tel. Telephone
TOC Total organic carbon
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

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