

Article No.: GE-002  
Print date: 11.11.2021  
Version: 27-0

Remover G PLUS  
Revision date: 10.11.2021  
Issue date: 10.11.2021

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

### 1.1. Product identifier

Article No. (manufacturer/supplier): GE-002  
Trade name/designation: Remover G PLUS

### 1.2. Details of the supplier of the safety data sheet

#### Uses advised against

There is no information available for use is discouraged facing.

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

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

Guard KG  
Berta-Cramer-Ring 26  
D - 65205 Wiesbaden  
Telephone: +49 6122 70463-16  
Telefax: +49 6122 70463-28  
E-mail: info@graffiti-guard.net  
Homepage: www.graffiti-guard.net

#### Department responsible for information:

Labor: +49 6122 70463-16  
E-mail (competent person): info@graffiti-guard.net

### 1.4. Emergency telephone number

Assistance in German: Telephone: + 49 (0) 6122 7046316 (Office hours: Monday-Friday 9:00 to 15:00). Outside office hours: call a Poison Center or doctor/physician.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

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

Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Skin Corr. 1B / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.
STOT SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

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

##### Hazard pictograms



**Danger**

##### Hazard statements

H226: Flammable liquid and vapour.  
H314: Causes severe skin burns and eye damage.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H412: Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243: Take action to prevent static discharges.  
P260: Do not breathe mist.  
P260: Do not breathe vapour.  
P261: Avoid breathing vapours.  
P264: Wash hands thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P273: Avoid release to the environment.  
P280: Wear protective gloves and eye/face protection.

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



**Graffiti-Guard**  
Anti-Graffiti-System

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- P280 Wear protective gloves/protective clothing.  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/ physician.  
P310 Immediately call a doctor.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P363 Wash contaminated clothing before reuse.  
P370 + P378 In case of fire: Use extinguishing powder or sand to extinguish.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container to industrial incineration plant.

**Hazard components for labelling**

potassium hydroxide  
butan-1-ol

**Supplemental hazard information**

not applicable

2.3. **Other hazards**

No information available.

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

3.1. **Substances**

Not applicable.

3.2. **Mixtures**

**Description** Cleaning agent, alkaline

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

EC No.	REACH No.	weight-%
CAS No.	Designation	
Index No.	classification: // Remark	
203-961-6	01-2119475104-44	
112-34-5	2-(2-butoxyethoxy)ethanol	20 - 25
603-096-00-8	Eye Irrit. 2 H319	
215-535-7	01-2119488216-32-xxxx	
1330-20-7	Xylene	12,5 - 20
601-022-00-9	Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315	
200-751-6	01-2119484630-38	
71-36-3	butan-1-ol	12,5 - 20
603-004-00-6	Flam. Liq. 3 H226 / Acute Tox. 4 H302 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336	
200-661-7	01-2119457558-25	
67-63-0	propan-2-ol	10 - 12,5
603-117-00-0	Flam. Liq. 2 H225 / Eye Irrit. 2 H319 / STOT SE 3 H336	
918-668-5	01-2119455851-35 Hydrocarbons, C9, aromatics STOT SE 3 H335 / STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411 / Flam. Liq. 3 H226	10 - 12,5
202-859-9	01-2119492630-38-0000	
100-51-6	benzyl alcohol	5 - 10
603-057-00-5	Acute Tox. 4 H302 / Acute Tox. 4 H332 / Eye Irrit. 2 H319	
202-849-4	01-2119489370-35	
100-41-4	ethylbenzene	5 - 10
601-023-00-4	Acute Tox. 4 H332 / STOT RE 2 H373 / Asp. Tox. 1 H304 / Aquatic Chronic 3 H412 / Flam. Liq. 2 H225	



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215-181-3	01-2119487136-33	
1310-58-3	potassium hydroxide	2,5 - 5
019-002-00-8	Acute Tox. 4 H302 / Skin Corr. 1A H314 / Eye Dam. 1 H318 / Met. Corr. 1 H290	
	Specific concentration limit (SCL): Skin Corr. 1A H314 >= 5 / Skin Corr. 1B H314 >= 2 / Skin Irrit. 2 H315 >= 0,5 / Eye Irrit. 2 H319 >= 0,5	

#### Additional information

Full text of classification: see section 16

#### Hazardous ingredients

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

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

##### In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of respiratory tract irritation, consult a physician.

##### Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

##### After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

##### Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Keep victim calm. Do NOT induce vomiting. Seek medical advice immediately. If medical advice is needed, have product container or label at hand.

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

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

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

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

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

##### Unsuitable extinguishing media

strong water jet

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

Inhaling hazardous decomposing products can cause serious health damage.

#### 5.3. Advice for firefighters

Provide a conveniently located respiratory protective device.

##### Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

### SECTION 6: Accidental release measures

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

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

#### 6.2. Environmental precautions

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

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it



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for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents. Provide adequate ventilation.

**6.4. Reference to other sections**

Observe protective provisions (see section 7 and 8).

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advices on safe handling**

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Keep container tightly closed. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. Do not breathe mist. Thorough skin-cleansing after handling the product.

**Further information**

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

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

**Requirements for storage rooms and vessels**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Store carefully closed containers upright to prevent any leaks.

**Hints on joint storage**

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

**Further information on storage conditions**

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

**7.3. Specific end use(s)**

Observe technical data sheet. Observe instructions for use, Follow the instructions for use on the label.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limit values:**

2-(2-butoxyethoxy)ethanol

Index No. 603-096-00-8 / EC No. 203-961-6 / CAS No. 112-34-5

WEL, TWA: 67,5 mg/m<sup>3</sup>; 10 ppm

WEL, STEL: 101,2 mg/m<sup>3</sup>; 15 ppm

Xylene

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

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

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

Remark: (may be absorbed through the skin)

BMGV, TWA: 650 mmol/mol creatinine

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

butan-1-ol

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

WEL, STEL: 154 mg/m<sup>3</sup>; 50 ppm

Remark: (may be absorbed through the skin)

propan-2-ol

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

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

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

ethylbenzene

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

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

WEL, STEL: 552 mg/m<sup>3</sup>; 125 ppm

Remark: (may be absorbed through the skin)

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



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potassium hydroxide  
Index No. 019-002-00-8 / EC No. 215-181-3 / CAS No. 1310-58-3

WEL, STEL: 2 mg/m<sup>3</sup>

**Additional information**

TWA : Long-term occupational exposure limit value  
STEL : short-term occupational exposure limit value  
Ceiling : peak limitation

**DNEL:**

2-(2-butoxyethoxy)ethanol  
Index No. 603-096-00-8 / EC No. 203-961-6 / CAS No. 112-34-5  
DNEL long-term dermal (systemic), Workers: 20 mg/kg  
DNEL long-term inhalative (systemic), Workers: 67,5 mg/m<sup>3</sup>  
DNEL long-term oral (repeated), Consumer: 1,25 mg/kg  
DNEL long-term dermal (systemic), Consumer: 10 mg/kg  
DNEL acute inhalative (local), Consumer: 34 mg/m<sup>3</sup>

**Xylene**

Index No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7  
DNEL long-term dermal (systemic), Workers: 180 mg/kg  
DNEL acute inhalative (local), Workers: 289 mg/m<sup>3</sup>  
DNEL acute inhalative (systemic), Workers: 289 mg/m<sup>3</sup>  
DNEL long-term inhalative (systemic), Workers: 77 mg/m<sup>3</sup>  
DNEL long-term oral (repeated), Consumer: 1,6 mg/kg  
DNEL long-term dermal (systemic), Consumer: 108 mg/kg  
DNEL acute inhalative (local), Consumer: 174 mg/m<sup>3</sup>  
DNEL acute inhalative (systemic), Consumer: 174 mg/m<sup>3</sup>  
DNEL long-term inhalative (systemic), Consumer: 14,8 mg/m<sup>3</sup>

**propan-2-ol**

Index No. 603-117-00-0 / EC No. 200-661-7 / CAS No. 67-63-0  
DNEL long-term dermal (systemic), Workers: 888 mg/kg  
DNEL acute inhalative (systemic), Workers: 500 mg/m<sup>3</sup>  
DNEL long-term oral (repeated), Consumer: 26 mg/kg  
DNEL acute inhalative (systemic), Consumer: 89 mg/m<sup>3</sup>

**butan-1-ol**

Index No. 603-004-00-6 / EC No. 200-751-6 / CAS No. 71-36-3  
DNEL long-term oral (repeated), Workers: 3,125 mg/kg  
DNEL acute inhalative (local), Workers:  
DNEL acute inhalative (systemic), Workers:  
DNEL long-term dermal (systemic), Consumer: 3,125 mg/kg

**PNEC:**

2-(2-butoxyethoxy)ethanol  
Index No. 603-096-00-8 / EC No. 203-961-6 / CAS No. 112-34-5  
PNEC aquatic, freshwater: 1 mg/L  
PNEC aquatic, marine water: 0,1 mg/L  
PNEC aquatic, intermittent release: 3,9 mg/L  
PNEC sediment, freshwater: 4 mg/kg  
PNEC sediment, marine water: 0,4 mg/kg  
PNEC, soil: 0,4 mg/kg  
PNEC sewage treatment plant (STP): 200 mg/L

**Xylene**

Index No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7  
PNEC aquatic, freshwater: 0,327 mg/L  
PNEC aquatic, marine water: 0,327 mg/L  
PNEC aquatic, intermittent release: 0,327 mg/L  
PNEC sediment, freshwater: 12,46 mg/kg  
PNEC sediment, marine water: 12,46 mg/kg  
PNEC, soil: 2,31 mg/kg  
PNEC sewage treatment plant (STP): 6,58 mg/L



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propan-2-ol  
Index No. 603-117-00-0 / EC No. 200-661-7 / CAS No. 67-63-0  
PNEC aquatic, freshwater: 140,9 mg/L  
PNEC aquatic, marine water: 140,9 mg/L  
PNEC sediment, freshwater: 552 mg/kg  
PNEC, soil: 28 mg/kg  
PNEC sewage treatment plant (STP): 2251 mg/L  
PNEC Secondary Poisoning: 160 mg/kg

butan-1-ol  
Index No. 603-004-00-6 / EC No. 200-751-6 / CAS No. 71-36-3  
PNEC aquatic, freshwater: 0,082 mg/L  
PNEC aquatic, marine water: 0,0082 mg/L  
PNEC aquatic, intermittent release: 2,25 mg/L  
PNEC sediment, freshwater: 0,178 mg/kg  
PNEC sediment, marine water: 0,0178 mg/kg  
PNEC, soil: 0,015 mg/kg

## 8.2. Exposure controls

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

### Personal protection equipment

#### **Respiratory protection**

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

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

#### **Hand protection**

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

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

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

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

#### **Eye/face protection**

Wear closely fitting protective glasses in case of splashes.

#### **Body protection**

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

#### **Protective measures**

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

### Environmental exposure controls

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

## **SECTION 9: Physical and chemical properties**

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

#### **Appearance:**

**Physical state:**

**Liquid**

**Colour:**

**refer to label**

**Odour:**

**characteristic**

**Odour threshold:**

**not determined**

**pH at 20 °C:**

**13 - 14 / 100,0 weight-%**

**Melting point/freezing point:**

**not determined**

**Initial boiling point and boiling range:**

**not determined**

**Flash point:**

**24 °C**

Method: DIN 53213-1

**Evaporation rate:**

**0,1 mg/s**



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Source: Hydrocarbons, C9, aromatics

**flammability**

<b>Burning time:</b>	<b>not determined</b>
<b>Upper/lower flammability or explosive limits:</b>	
<b>Lower explosion limit:</b>	<b>0,7 Vol-%</b> Source: Hydrocarbons, C9, aromatics
<b>Upper explosion limit:</b>	<b>13,4 Vol-%</b> Source: propan-2-ol
<b>Vapour pressure at 20 °C:</b>	<b>9,6542 mbar</b>
<b>Vapour density:</b>	<b>not determined</b>
<b>Relative density:</b>	
<b>Density at 20 °C:</b>	<b>0,92 g/cm<sup>3</sup></b> Method: EN ISO 2811-1
<b>Solubility(ies):</b>	
<b>Water solubility at 20 °C:</b>	<b>partially soluble</b>
<b>Partition coefficient: n-octanol/water:</b>	<b>see section 12</b>
<b>Auto-ignition temperature:</b>	<b>210 °C</b> Source: 2-(2-butoxyethoxy)ethanol
<b>Decomposition temperature:</b>	<b>not determined</b>
<b>Viscosity at 20 °C:</b>	<b>12 s 4 mm</b> Method: DIN 53211
<b>Explosive properties:</b>	<b>not applicable</b>
<b>Oxidising properties:</b>	<b>not applicable</b>

9.2. **Other information**

<b>Solid content:</b>	<b>4,75 weight-%</b>
<b>solvent content:</b>	
<b>Organic solvents:</b>	<b>91 weight-%</b>
<b>Water:</b>	<b>5 weight-%</b>

**SECTION 10: Stability and reactivity**

10.1. **Reactivity**

No information available. No hazardous reaction when handled and stored according to provisions.

10.2. **Chemical stability**

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

10.3. **Possibility of hazardous reactions**

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

10.4. **Conditions to avoid**

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

10.5. **Incompatible materials**

not applicable

10.6. **Hazardous decomposition products**

none Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides. Thermal decomposition can lead to the escape of irritating gases and vapours. Hazardous decomposition byproducts may form with exposure to high temperatures.

**SECTION 11: Toxicological information**

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

No data on preparation itself available.

11.1. **Information on toxicological effects**

**Acute toxicity**

ethylbenzene

oral, LD50, Rat: 3500 mg/kg 3500 - 4700 mg/kg



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inhalative (vapours), LC50, Rat: 17,4 mg/L (4 h)

2-(2-butoxyethoxy)ethanol  
dermal, LD50, Rabbit: 2764 mg/kg  
oral, LD50, Mouse: 2410

#### Xylene

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

#### propan-2-ol

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

#### butan-1-ol

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

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

Causes severe skin burns and eye damage.

#### butan-1-ol

Skin, Rabbit (4 h)  
eyes, Rabbit

#### **Respiratory or skin sensitisation**

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

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

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

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

May cause respiratory irritation.

May cause drowsiness or dizziness.

#### **Aspiration hazard**

ethylbenzene

Aspiration hazard

#### **Practical experience/human evidence**

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

#### **Overall Assessment on CMR properties**

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

### **SECTION 12: Ecological information**

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

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

#### **12.1. Toxicity**

ethylbenzene

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 4,2 mg/L (96 h)

Method: OECD 203

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 5,4 mg/L 0 - 4,6 mg/L (72 h)

Method: OECD 201

2-(2-butoxyethoxy)ethanol





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Fish toxicity, LC50, Lepomis macrochirus (Bluegill): 1300 mg/L (96 h)  
Daphnia toxicity, EC50, Daphnia magna (Big water flea): 2850 (24 h)  
Aquatic plants, EC50, Scenedesmus subspicatus: 100 mg/L (96 h)  
Activated sludge, EC10, Pseudomonas putida: 1170 mg/L (18 h)

#### Xylene

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

#### propan-2-ol

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

#### butan-1-ol

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

#### Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

Toxicological data are not available.

#### 12.3. Bioaccumulative potential

Toxicological data are not available.

#### Bioconcentration factor (BCF)

Toxicological data are not available.

#### 12.4. Mobility in soil

Toxicological data are not available.

#### 12.5. Results of PBT and vPvB assessment

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

#### 12.6. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Appropriate disposal / Product Recommendation

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

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

200129\* Detergents containing hazardous substances

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

##### Appropriate disposal / Package Recommendation

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

### SECTION 14: Transport information

#### 14.1. UN number

UN 2924

#### 14.2. UN proper shipping name

Land transport (ADR/RID)  
Sea transport (IMDG)

Flammable liquid, corrosive, n.o.s.  
FLAMMABLE LIQUID, CORROSIVE, N.O.S.

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



**Graffiti-Guard**  
Anti-Graffiti-System

Article No.: GE-002  
Print date: 11.11.2021  
Version: 27-0

Remover G PLUS  
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Air transport (ICAO-TI / IATA-DGR) Flammable liquid, corrosive, n.o.s.

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

3

14.4. **Packing group**

III

14.5. **Environmental hazards**

Land transport (ADR/RID)

Marine pollutant

not applicable

14.6. **Special precautions for user**

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

Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

tunnel restriction code

D/E

**Sea transport (IMDG)**

EmS-No.

F-E, S-C

14.7. **Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information**

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

**EU legislation**

Regulation (EC) No. 648/2004 (Detergents regulation)

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

Category: P5c FLAMMABLE LIQUIDS

Quantity 1: 5000 t / Quantity 2: 50000 t

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

VOC-value (in g/L): 830

**National regulations**

**Restrictions of occupation**

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

Other information

Reserved for industrial and professional use.

VOC Switzerland ( Weight fraction ) : 91

15.2. **Chemical Safety Assessment**

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

EC No. CAS No.	Designation	REACH No.
203-961-6 112-34-5	2-(2-butoxyethoxy)ethanol	01-2119475104-44
215-535-7 1330-20-7	Xylene	01-2119488216-32-xxxx
200-751-6 71-36-3	butan-1-ol	01-2119484630-38
200-661-7 67-63-0	propan-2-ol	01-2119457558-25
918-668-5	Hydrocarbons, C9, aromatics	01-2119455851-35
202-859-9 100-51-6	benzyl alcohol	01-2119492630-38-0000
202-849-4 100-41-4	ethylbenzene	01-2119489370-35

**Safety Data Sheet**  
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according to Regulation (EU) 2015/830



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215-181-3  
1310-58-3

potassium hydroxide

01-2119487136-33

**SECTION 16: Other information**

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

Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
STOT SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.
Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
STOT RE 2 / H373	STOT-repeated exposure	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.
Skin Corr. 1A / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Met. Corr. 1 / H290	Corrosive to metals	May be corrosive to metals.

**Classification procedure**

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

Flam. Liq. 3	Flammable liquids	On basis of test data.
Skin Corr. 1B	Skin corrosion/irritation	Calculation method.
Eye Dam. 1	Serious eye damage/eye irritation	Calculation method.
STOT SE 3	STOT-single exposure	Calculation method.
STOT SE 3	STOT-single exposure	Calculation method.
Aquatic Chronic 3	Hazardous to the aquatic environment	Calculation method.

**Further information**

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

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