

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.06.2021

Version number 3

Revision: 30.03.2021

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- **Identification of the substance/preparation:** *Dr. Schutz Scratchfix PU Repair Pen*

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

**Sector of Use**

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- **Application of the substance / the mixture** Lacquer

**1.3 Details of the supplier of the safety data sheet****Company/undertaking identification:**

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Germany

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email: steve@dr-schutz.com

- **Further information obtainable from:** Department for product development

**1.4 Emergency telephone number:**

Dr. Schutz UK

steve@dr-schutz.com

0044 (0) 1296 437827 (mon - fri 9am-5pm)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

**2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008** Not applicable

- **Hazard pictograms** Not applicable

- **Signal word** Not applicable

- **Hazard statements** Not applicable

**2.3 Other hazards****Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 111-76-2	2-butoxyethanol	1-5%
EINECS: 203-905-0	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332;	
Index number: 603-014-00-0	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Reg.nr.: 01-2119475108-36		

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CAS: 5131-66-8

EINECS: 225-878-4

Index number: 603-052-00-8

Reg.nr.: 01-2119475527-28

3-butoxypropan-2-ol

⚠ Flam. Liq. 3, H226; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319

1-5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

No special measures required.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Rinse with warm water.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** Rinse out mouth and then drink plenty of water.

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

No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

- **For safety reasons unsuitable extinguishing agents:** Not applicable.

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

- **5.3 Advice for firefighters**

- **Protective equipment:** No special measures required.

- **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.

- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** No special measures required.

- **Information about fire - and explosion protection:** No special measures required.

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

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Store receptacle in a well ventilated area.

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· **7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection**· **8.1 Control parameters**· **Exposure limit values:****111-76-2 2-butoxyethanol**

WEL	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 123 mg/m <sup>3</sup> , 25 ppm Sk, BMGV
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· **Ingredients with biological limit values:****111-76-2 2-butoxyethanol**

BMGV	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid
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· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Appropriate engineering controls** No further data; see item 7.· **Individual protection measures, such as personal protective equipment**· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** Not required.· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Goggles recommended during refilling· **Body protection:** Light weight protective clothing**SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Physical state**

Fluid

· **Colour:**

According to product specification

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

Undetermined.

· **Flammability**

Not applicable.

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<ul style="list-style-type: none"> <li>· Lower and upper explosion limit</li> <li>· Lower: Not determined.</li> <li>· Upper: Not determined.</li> <li>· Flash point: &gt;100°C (Seta Flash Closed Cup)</li> <li>· Auto-ignition temperature: Product is not selfigniting.</li> <li>· Decomposition temperature: Not determined.</li> <li>· pH: Not determined.</li> <li>· Viscosity:</li> <li>· Kinematic viscosity at 20°C: 30 s (ISO 3 mm)</li> <li>· Dynamic: Not determined.</li> <li>· Solubility</li> <li>· water: Not miscible or difficult to mix.</li> <li>· Partition coefficient n-octanol/water (log value) Not determined.</li> <li>· Vapour pressure at 20°C: 23 hPa</li> <li>· Density and/or relative density</li> <li>· Density at 20°C: 1 g/cm<sup>3</sup></li> <li>· Relative density: Not determined.</li> <li>· Vapour density: Not determined.</li> </ul>	
<ul style="list-style-type: none"> <li>· 9.2 Other information</li> <li>· Appearance:</li> <li>· Form: Fluid</li> <li>· Important information on protection of health and environment, and on safety.</li> <li>· Explosive properties: Product does not present an explosion hazard.</li> <li>· Solvent content:</li> <li>· Organic solvents: 5.0 %</li> <li>· VOC (EC) 5.0 %</li> <li>· Change in condition</li> <li>· Evaporation rate: Not determined.</li> </ul>	
<ul style="list-style-type: none"> <li>· Information with regard to physical hazard classes</li> <li>· Explosives: Not applicable</li> <li>· Flammable gases: Not applicable</li> <li>· Aerosols: Not applicable</li> <li>· Oxidising gases: Not applicable</li> <li>· Gases under pressure: Not applicable</li> <li>· Flammable liquids: Not applicable</li> <li>· Flammable solids: Not applicable</li> <li>· Self-reactive substances and mixtures: Not applicable</li> <li>· Pyrophoric liquids: Not applicable</li> <li>· Pyrophoric solids: Not applicable</li> <li>· Self-heating substances and mixtures: Not applicable</li> <li>· Substances and mixtures, which emit flammable gases in contact with water: Not applicable</li> <li>· Oxidising liquids: Not applicable</li> <li>· Oxidising solids: Not applicable</li> <li>· Organic peroxides: Not applicable</li> <li>· Corrosive to metals: Not applicable</li> <li>· Desensitised explosives: Not applicable</li> </ul>	

## SECTION 10: Stability and reactivity

- 10.1 Reactivity see section "Possibility of hazardous reactions".

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- **10.2 Chemical stability** No information available.
- **Conditions to avoid:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

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

- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

**111-76-2 2-butoxyethanol**

Oral	LD50	1,746 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rab)
Inhalative	LC50/4h	2-20 mg/l (rat)

**5131-66-8 3-butoxypropan-2-ol**

Oral	LD50	2,100-5,500 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

- **12.1 Toxicity**

- **Aquatic toxicity:**

**111-76-2 2-butoxyethanol**

LC50/96h (static) | 1,474 mg/l (Oncorhynchus mykiss (Rainbow trout)) (OECD 203)

**5131-66-8 3-butoxypropan-2-ol**

EC50/48h | &gt;1,000 mg/l (Daphnia magna)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow to reach ground water/water course. Do not allow undiluted product or large quantities of it to reach sewage system.

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### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

· <b>14.1 UN number or ID number</b> · <b>ADR, ADN, IMDG, IATA</b>	Not applicable
· <b>14.2 UN proper shipping name</b> · <b>ADR, ADN, IMDG, IATA</b>	Not applicable
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Not applicable
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Not applicable
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Not applicable

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.
- **Department issuing SDS:** Department for product development
- **Contact:** Dr. Reindl
- **Abbreviations and acronyms:**  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association

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GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

GB