

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 22.12.2020

Version number 6

Revision: 20.05.2020

**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 Spray*

- **UFI:** SJR0-U0VT-F00M-2ERT

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

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

SU21 Consumer uses: Private households / general public / consumers

- **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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Holbeinstr. 17

D-53175 Bonn

Germany

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Smeaton Close, Aylesbury Bucks

HP19 8UP

Tel.: 0044 / 1296 437827

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email: steve@dr-schutz.com

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

**1.4 Emergency telephone number:**

GBK Gefahrgut Büro GmbH

telephone: +49 (0)6132 84463

(24-Hour-Number)

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

GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS02 GHS07

- **Signal word** Danger

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- **Hazard-determining components of labelling:**

propan-2-ol

- **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **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: 115-10-6<br>EINECS: 204-065-8<br>Index number: 603-019-00-8<br>Reg.nr.: 01-2119472128-37  | dimethyl ether<br>⚠ Flam. Gas 1A, H220; ⚠ Acute Tox. 2, H330; Press. Gas (Comp.), H280                              | 25-50%    |
| CAS: 67-63-0<br>EINECS: 200-661-7<br>Index number: 603-117-00-0<br>Reg.nr.: 01-2119457558-25   | propan-2-ol<br>⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336  | ≥10-<20%  |
| CAS: 64-17-5<br>EINECS: 200-578-6<br>Index number: 603-002-00-5<br>Reg.nr.: 01-2119457610-43   | ethanol<br>⚠ Flam. Liq. 2, H225   | 10-25%    |
| CAS: 1336-21-6<br>EINECS: 215-647-6<br>Index number: 007-001-01-2<br>Reg.nr.: 01-2119982985-14 | ammonia<br>⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400<br>Specific concentration limit: STOT SE 3; H335: C ≥ 5 % | ≥0.25-<1% |

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

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**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air.  
Immediately remove any clothing soiled by the product.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

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:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**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**

Cool endangered receptacles with water spray.

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**

Do not inhale gases / fumes / aerosols.

Keep away from ignition sources.

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

**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).

Ensure adequate ventilation.

**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**

Keep away from heat and direct sunlight.

Open and handle receptacle with care.

**Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.

Fumes can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

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Protect against electrostatic charges.  
 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

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

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

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

- **Further information about storage conditions:**

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

- **7.3 Specific end use(s)** No further relevant information available.

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

- **8.1 Control parameters**

- **Exposure limit values:**

**115-10-6 dimethyl ether**

WEL Short-term value: 958 mg/m<sup>3</sup>, 500 ppm

Long-term value: 766 mg/m<sup>3</sup>, 400 ppm

**67-63-0 propan-2-ol**

WEL Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm

Long-term value: 999 mg/m<sup>3</sup>, 400 ppm

**64-17-5 ethanol**

WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

- **DNELs** No further relevant information available.

- **PNELs** No further relevant information available.

- **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:** Wash hands before breaks and at the end of work.

- **Respiratory protection:**

Short term filter device:

Filter AX

Use suitable respiratory protective device when high concentrations are present.

Self-contained respiratory protective device.

- **Hand protection**



Protective gloves

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**

Nitrile rubber, NBR

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Recommended thickness of the material:  $\geq 0.4$  mm

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**

Where there is a danger of the eyes coming into contact with splashes of liquid (i.e. when refilling larger quantities), safety goggles according to EN 166 (i.e. goggles with side shields) are recommended.



Tightly sealed goggles

- **Body protection:** Light weight protective clothing

## SECTION 9: Physical and chemical properties

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

- **General Information**

|   |                               |
|---|-------------------------------|
| • <b>Physical state</b>   | Aerosol                       |
| • <b>Colour:</b>  | Not determined.               |
| • <b>Odour:</b>   | Characteristic                |
| • <b>Odour threshold:</b>   | Not determined.               |
| • <b>Melting point/freezing point:</b>                            | Undetermined.                 |
| • <b>Boiling point or initial boiling point and boiling range</b> | -25°C                         |
| • <b>Flammability</b>   | Not applicable.               |
| • <b>Lower and upper explosion limit</b>                          |                               |
| • <b>Lower:</b>   | 2 Vol %                       |
| • <b>Upper:</b>   | 18.6 Vol %                    |
| • <b>Flash point:</b>   | -41°C (Seta Flash Closed Cup) |
| • <b>Auto-ignition temperature:</b>                               | Product is not selfigniting.  |
| • <b>Decomposition temperature:</b>                               | Not determined.               |
| • <b>pH</b>   | Not determined.               |
| • <b>Viscosity:</b>   |                               |
| • <b>Kinematic viscosity at 20°C</b>                              | 12 s (DIN 53211/4)            |
| • <b>Dynamic:</b>   | Not determined.               |
| • <b>Solubility</b>   |                               |
| • <b>water:</b>   | Fully miscible.               |
| • <b>Partition coefficient n-octanol/water (log value)</b>        | Not determined.               |
| • <b>Vapour pressure at 20°C:</b>                                 | 5,200 hPa                     |
| • <b>Density and/or relative density</b>                          |                               |
| • <b>Density at 20°C:</b>   | 0.77 g/cm <sup>3</sup>        |
| • <b>Relative density</b>   | Not determined.               |
| • <b>Vapour density</b>   | Not determined.               |

- **9.2 Other information**

|  |                 |
|--|-----------------|
| • <b>Appearance:</b>   |                 |
| • <b>Form:</b>   | Aerosol         |
| • <b>Important information on protection of health and environment, and on safety.</b> |                 |
| • <b>Ignition temperature:</b>   | 235°C           |
| • <b>Explosive properties:</b>   | Not determined. |

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|   |  |
|---|--|
| · Solvent content:  |  |
| · Organic solvents:   | 81.5 %   |
| · VOC (EC)  | 81.5 %   |
| · Change in condition   |  |
| · Evaporation rate  | Not applicable.  |
| · Information with regard to physical hazard classes                        |  |
| · Explosives  | Void   |
| · Flammable gases   | Void   |
| · Aerosols  | Extremely flammable aerosol. Pressurised container: May burst if heated. |
| · Oxidising gases   | Void   |
| · Gases under pressure  | Void   |
| · Flammable liquids   | Void   |
| · Flammable solids  | Void   |
| · Self-reactive substances and mixtures                                     | Void   |
| · Pyrophoric liquids  | Void   |
| · Pyrophoric solids   | Void   |
| · Self-heating substances and mixtures                                      | Void   |
| · Substances and mixtures, which emit flammable gases in contact with water | Void   |
| · Oxidising liquids   | Void   |
| · Oxidising solids  | Void   |
| · Organic peroxides   | Void   |
| · Corrosive to metals   | Void   |
| · Desensitised explosives   | Void   |

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** see section "Possibility of hazardous reactions".
- **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** Based on available data, the classification criteria are not met.

## · LD/LC50 values relevant for classification:

**115-10-6 dimethyl ether**

Inhalative LC50/4h 308 mg/l (rat)

**67-63-0 propan-2-ol**

Oral LD50 4,750 mg/kg (rat)

Dermal LD50 13,400 mg/kg (rabbit)

Inhalative LC50/4h 30 mg/l (rat)

- **Skin corrosion/irritation**  
No data available.  
Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.

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- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

|  |
|--|
| · <b>Endocrine disrupting properties</b> |
|--|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

## SECTION 12: Ecological information

· **12.1 Toxicity**· **Aquatic toxicity:****115-10-6 dimethyl ether**

EC50/96h &gt;4.1 mg/l (fish)

LC50/48h &gt;4.4 ml/l (Daphnia magna)

**67-63-0 propan-2-ol**

EC50/48h &gt;100 mg/l (Daphnia magna)

LC50/96h (dynamic) 10,000 mg/l (fish) (OECD 203)

- **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.

## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

15 01 10\* packaging containing residues of or contaminated by hazardous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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## SECTION 14: Transport information

## · 14.1 UN number or ID number

· ADR, IMDG, IATA UN1950

## · 14.2 UN proper shipping name

· ADR 1950 AEROSOLS  
 · IMDG AEROSOLS  
 · IATA AEROSOLS, flammable

## · 14.3 Transport hazard class(es)

## · ADR



· Class 2.5F Gases.  
 · Label 2.1

## · IMDG, IATA



· Class 2.1  
 · Label 2.1

## · 14.4 Packing group

· ADR, IMDG, IATA Void

## · 14.5 Environmental hazards:

· Marine pollutant: No

## · 14.6 Special precautions for user

Warning: Gases.  
 · Hazard identification number (Kemler code): -  
 · EMS Number: F-D,S-U  
 · Segregation groups Ammonium compounds  
 · Stowage Code SW1 Protected from sources of heat.  
 SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.  
 · Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre:  
 Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.  
 For AEROSOLS with a capacity above 1 litre:  
 Segregation as for the appropriate subdivision of class 2.  
 For WASTE AEROSOLS:  
 Segregation as for the appropriate subdivision of class 2.

## · 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

## · Transport/Additional information:

· ADR  
 · Limited quantities (LQ) 1L  
 · Excepted quantities (EQ) Code: E0  
 Not permitted as Excepted Quantity

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|                                   |  |
|-----------------------------------|--|
| · <b>Transport category</b>       | 2  |
| · <b>Tunnel restriction code</b>  | D  |
| -----                             |  |
| · <b>IMDG</b>                     |  |
| · <b>Limited quantities (LQ)</b>  | 1L   |
| · <b>Excepted quantities (EQ)</b> | Code: E0<br>Not permitted as Excepted Quantity |
| · <b>UN "Model Regulation":</b>   | UN 1950 AEROSOLS, 2.1                          |

**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.
- **Seveso category** P3a FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning pregnant and lactating women must be observed.  
Employment restrictions concerning juveniles must be observed.
- **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**

H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H314 Causes severe skin burns and eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.

- **Department issuing SDS:** Department for product development

- **Contact:** Dr. Reindl

- **Version number of previous version:** 5

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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  
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)

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DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Gas 1A: Flammable gases – Category 1A  
Aerosol 1: Aerosols – Category 1  
Press. Gas (Comp.): Gases under pressure – Compressed gas  
Flam. Liq. 2: Flammable liquids – Category 2  
Acute Tox. 2: Acute toxicity - inhalation – Category 2  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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