

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

1 Identification

- **Product identifier**
- **Trade name:** *Dr. Schutz Scratchfix PU Repair Spray*
- **Application of the substance / the mixture** Lacquer
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Supplier:
Dr. Schutz GmbH
Holbeinstraße 17
D-53175 Bonn
Tel: +49 228/95 35 2-0
Fax: +49 228/95 35 2-46
E-Mail: export@dr-schutz.com
- **Import:**
Schutz NA LLC
8701 Torresdale Ave
Suite P
Philadelphia PA 19136
USA
Tel.: +1 (877) 272-4889
Mobile: +1 610-310-2412
E-Mail: sam@dr-schutz.us
Web: www.schutzna.com
- **Information department:** Department for product development
- **Emergency telephone number:**
GBK Gefahrgut Büro GmbH
telephone: +49 (0)6132 84463
(24-Hour-Number)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 2 H223 Flammable aerosol.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

propan-2-ol

- **Hazard statements**

Flammable aerosol.

Causes serious eye irritation.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

Trade name: *Dr. Schutz Scratchfix PU Repair Spray*

(Contd. of page 1)

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

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

- **Information pertaining to particular dangers for man and environment:**

- **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 3

- **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 3

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Identification number(s)** 7U20-V0J4-N00C-N5A8

- **Chemical characterization: Mixtures**

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

- **Dangerous components:**

115-10-6	dimethyl ether	25-50%
67-63-0	propan-2-ol	≥10-<20%
64-17-5	ethanol	10-25%

4 First-aid measures

- **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.

- **Information for doctor:**

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

No further relevant information available.

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

No further relevant information available.

US

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

Trade name: *Dr. Schutz Scratchfix PU Repair Spray*

(Contd. of page 2)

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Nicht anwendbar
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **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.

6 Accidental release measures

- **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.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

115-10-6	dimethyl ether	3,000 ppm
67-63-0	propan-2-ol	400 ppm
64-17-5	ethanol	1,800 ppm
1336-21-6	ammonia	61 ppm

· **PAC-2:**

115-10-6	dimethyl ether	3800* ppm
67-63-0	propan-2-ol	2000* ppm
64-17-5	ethanol	3300* ppm
1336-21-6	ammonia	330 ppm

· **PAC-3:**

115-10-6	dimethyl ether	7200* ppm
67-63-0	propan-2-ol	12000** ppm
64-17-5	ethanol	15000* ppm
1336-21-6	ammonia	2,300 ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Keep away from heat and direct sunlight.
Open and handle receptacle with care.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

Trade name: *Dr. Schutz Scratchfix PU Repair Spray*

(Contd. of page 3)

- **Information about protection against explosions and fires:**
Do not spray on a naked flame or any incandescent material.
Fumes can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized 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.
- **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 pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Do not gas tight seal receptacle.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

115-10-6 dimethyl ether

WEEL Long-term value: 1000 ppm

67-63-0 propan-2-ol

PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm BEI

64-17-5 ethanol

PEL	Long-term value: 1900 mg/m ³ , 1000 ppm
REL	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm

- **Ingredients with biological limit values:**

67-63-0 propan-2-ol

BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
-----	---

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:**
Short term filter device:
Filter AX

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

Trade name: *Dr. Schutz Scratchfix PU Repair Spray*

(Contd. of page 4)

Use suitable respiratory protective device when high concentrations are present.

Self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**



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

Recommended thickness of the material: ≥ 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 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

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Aerosol
Color: Not determined.

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: -25°C (-13°F)

· **Flash point:** -41°C (-41.8°F) (Seta Flash Closed Cup)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 235°C (455°F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

Trade name: *Dr. Schutz Scratchfix PU Repair Spray*

(Contd. of page 5)

- | | |
|---|--|
| · Explosion limits: | |
| Lower: | 2 Vol % |
| Upper: | 18.6 Vol % |
| · Vapor pressure at 20°C (68°F): | 5,200 hPa (3.900 mm Hg) |
| · Density at 20°C (68°F): | 0.77 g/cm ³ (6.426 lbs/gal) |
| · Relative density | Not determined. |
| · Vapor density | Not determined. |
| · Evaporation rate | Not applicable. |
| · Solubility in / Miscibility with Water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic at 20°C (68°F): | 12 s (DIN 53211/4) |
| · Solvent content: | |
| Organic solvents: | 81.5 % |
| VOC content ASTM D3960: | 81.50 %
627.5 g/l / 5.24 lb/gal |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity** siehe Abschnitt "Möglichkeit gefährlicher Reaktionen"
- **Chemical stability** keine Angaben
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are 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)

- **Primary irritant effect:**
- **on the skin:** Keine Daten verfügbar.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

(Contd. on page 7)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

Trade name: *Dr. Schutz Scratchfix PU Repair Spray*

(Contd. of page 6)

- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

67-63-0	propan-2-ol	3
64-17-5	ethanol	1

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

115-10-6 dimethyl ether

EC50/96h	>4.1 mg/l (fish)
LC50/48h	>4.4 ml/l (Daphnia magna)

67-63-0 propan-2-ol

EC50/48h	>100 mg/l (Daphnia magna)
LC50/96h (dynamic)	10,000 mg/l (fish) (OECD 203)

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (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.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

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

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**

- **DOT, ADR, IMDG, IATA**

UN1950

(Contd. on page 8)




Safety Data Sheet
acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

Trade name: *Dr. Schutz Scratchfix PU Repair Spray*

(Contd. of page 7)

<ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR · IMDG · IATA 	<p>Aerosols, flammable 1950 AEROSOLS AEROSOLS AEROSOLS, flammable</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT  <ul style="list-style-type: none"> · Class · Label 	<p>2.1 2.1</p>
<ul style="list-style-type: none"> · ADR  <ul style="list-style-type: none"> · Class · Label 	<p>2.5F Gases 2.1</p>
<ul style="list-style-type: none"> · IMDG, IATA  <ul style="list-style-type: none"> · Class · Label 	<p>2.1 2.1</p>
<ul style="list-style-type: none"> · Packing group · DOT, ADR, IMDG, IATA 	<p>Not applicable</p>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<p>No</p>
<ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): - · EMS Number: · Segregation groups · Stowage Code 	<p>Warning: Gases F-D,S-U Ammonium compounds 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.</p>
<ul style="list-style-type: none"> · Segregation Code 	<p>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.</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p>

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

Trade name: *Dr. Schutz Scratchfix PU Repair Spray*

(Contd. of page 8)

· **Transport/Additional information:**

· **ADR**

· **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity

· **IMDG**

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

· **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

67-63-0 | propan-2-ol

1336-21-6 | ammonia

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5 | ethanol

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

67-63-0 | propan-2-ol

A4

64-17-5 | ethanol

A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/15/2021

Reviewed on 03/30/2021

Trade name: *Dr. Schutz Scratchfix PU Repair Spray*

(Contd. of page 9)

Hazard pictograms



GHS02 GHS07

Signal word Warning

Hazard-determining components of labeling:

propan-2-ol

Hazard statements

Flammable aerosol.

Causes serious eye irritation.

Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

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

National regulations:

Information about limitation of use:

Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning young persons must be observed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

Department issuing SDS: Department for product development

Contact: Dr. Reindl

Date of preparation / last revision 06/15/2021 / 6

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

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Aerosol 2: Aerosols – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A