

Safety data sheet

according to HCS HazCom 2012


Printing date 25.07.2013

Revision: 25.07.2013

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

- Product identifier
- Identification of the substance/preparation: Scratchfix Repair Spray
- Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
- 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 preparation Lacquer
- Details of the supplier of the safety data sheet
- Company/undertaking identification:
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Germany
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CC-Dr. Schutz GmbH, Steinbrinksweg 30, D-31840 Hessisch Oldendorf
Phone +49 (0)5152 9779-0 (monday - thursday 8.00 a.m. - 5.00 p.m.; friday 8.00 a.m. - 2.00 p.m.)

2 Hazards identification

- Classification of the substance or mixture
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
 F+; Extremely flammable
R12: Extremely flammable.
- R67: Vapours may cause drowsiness and dizziness.
- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- Label elements
- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
Observe the general safety regulations when handling chemicals.
- Code letter and hazard designation of product:



F+ Extremely flammable

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- Risk phrases:
 - 12 Extremely flammable.
 - 67 Vapours may cause drowsiness and dizziness.
- Safety phrases:
 - 1/2 Keep locked up and out of the reach of children.
 - 16 Keep away from sources of ignition - No smoking.
 - 23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
 - 38 In case of insufficient ventilation, wear suitable respiratory equipment.
 - 51 Use only in well-ventilated areas.
- Special labelling of certain preparations:
 - Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
 - Do not spray on a naked flame or any incandescent material.
- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 115-10-6 EINECS: 204-065-8	dimethyl ether  F+ R12  Flam. Gas 1, H220;  Press. Gas, H280	25-50%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol  Xi R36;  F R11 R67  Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336	10-25%
CAS: 64-17-5 EINECS: 200-578-6	ethanol  F R11  Flam. Liq. 2, H225	10-25%
CAS: 1336-21-6 EINECS: 215-647-6	ammonia  C R34;  N R50  Skin Corr. 1B, H314;  Aquatic Acute 1, H400	0.1-1%

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

4 First aid measures

- Description of first aid measures
- General information:
 - Immediately remove any clothing soiled by the product.
 - Take affected persons out into the fresh air.
- After inhalation:
 - Supply fresh air; consult doctor in case of complaints.
 - In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- 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.

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- Do not induce vomiting; call for medical help immediately.
- 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.

5 Firefighting measures

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

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
 - Wear protective equipment. Keep unprotected persons away.
 - Do not inhale gases / fumes / aerosols.
 - Keep away from ignition sources.
 - Ensure adequate ventilation
- 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.

7 Handling and storage

- Handling:
 - Precautions for safe handling
 - Ensure good ventilation/exhaustion at the workplace.
 - Open and handle receptacle with care.
 - Prevent formation of aerosols.
 - Keep away from heat and direct sunlight.
 - Information about fire - and explosion protection:
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - Do not spray onto a naked flame or any incandescent material.
 - 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.
 - Fumes can combine with air to form an explosive mixture.
- Conditions for safe storage, including any incompatibilities
- Storage:
 - Requirements to be met by storerooms and receptacles: Store in a cool location.

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- Information about storage in one common storage facility:
 - Do not store together with alkalis (caustic solutions).
 - Do not store together with oxidizing and acidic materials.
- 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.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Control parameters

- Exposure limit values:

115-10-6 dimethyl ether	
WEL	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
67-63-0 propan-2-ol	
WEL	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
64-17-5 ethanol	
WEL	Long-term value: 1920 mg/m ³ , 1000 ppm

- DNELs No available value.
- PNECs No available values.
- Additional information: The lists valid during the making were used as basis.
- Exposure controls
- Occupational exposure controls:
 - General protective and hygienic measures: Wash hands before breaks and at the end of work.
 - Respiratory protection:
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 - Use suitable respiratory protective device in case of insufficient ventilation.
 - Protection of hands:
 - 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



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:	Fluid
Colour:	Not determined.
· Odour:	Characteristic
· Odour threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	< 35 °C

· Flash point: -4 °C (Seta Flash Closed Cup)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 235 °C

· Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower:	2.0 Vol %
Upper:	18.6 Vol %

· Vapour pressure at 20 °C: 5200 hPa

· Density at 20 °C: 0.77 g/cm³

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic:	Not determined.
Kinematic at 20 °C:	12 s (DIN 53211/4)

· Solvent content:

Organic solvents:	81.5 %
VOC (EC)	81.50 %

· Other information: No further relevant information available.

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10 Stability and reactivity

- Reactivity
- Chemical stability
- Conditions to avoid: 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:
- Primary irritant effect:
 - on the skin: No data available.
 - on the eye: No data available.
- Sensitization: No sensitizing effects known.

12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behaviour 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 (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.
- 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 together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

16 05 04*	gases in pressure containers (including halons) containing dangerous substances
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- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

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14 Transport information

<ul style="list-style-type: none"> · UN-Number · ADR, IMDG, IATA 	UN1950
<ul style="list-style-type: none"> · UN proper shipping name · ADR · IMDG, IATA 	1950 AEROSOLS AEROSOLS
<ul style="list-style-type: none"> · Transport hazard class(es) · ADR, IMDG, IATA 	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> · Class · Label 	2 Gases. 2.1
<ul style="list-style-type: none"> · Packing group · IATA 	Not applicable. II
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): · EMS Number: 	Warning: Gases. 23 F-D,S-U
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.

15 Regulatory information

- 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.

- 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.
 - H336 May cause drowsiness or dizziness.
 - H400 Very toxic to aquatic life.
- Hazard statements
 - R11 Highly flammable.
 - R12 Extremely flammable.
 - R34 Causes burns.
 - R36 Irritating to eyes.
 - R50 Very toxic to aquatic organisms.
 - R67 Vapours may cause drowsiness and dizziness.
- Department issuing MSDS: Department for product development
- Contact: Dr. Olaf Janßen