

# SAFETY DATA SHEET

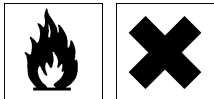
according to Regulation (EU) No. 1907/2006

## S&P Cleaner

### 1. Identification of the substance/preparation and of the company/undertaking

<b>Use of the Substance/Preparation</b>	Solvent
<b>Company/Undertaking Identification</b>	S&P Reinforcement International AG Seewernstrasse 127 CH-6423 Seewen/SZ Switzerland  +41 41 825 00 70 / info@sp-reinforcement.eu (8 – 17 h)
<b>Emergency telephone number</b>	145 / +41 44 251 51 51 (Swiss Toxicological Info Center - 24h)
<b>Revision Date</b>	14.04.2011
<b>Version</b>	1

### 2. Hazards identification



F - Highly flammable.  
Xn - Harmful.

Highly flammable. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

### 3. Composition/information on ingredients

Components		Symbol(s)	R-phrases(s)	CAS	EINECS
toluene	50% - 75%	F,Xn	R-11-38-48/20-63-65-67	108-88-3	203-625-9

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#### **4. First aid measures**

<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
<b>Ingestion</b>	Do not induce vomiting without medical advice.

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#### **5. Fire-fighting measures**

<b>Suitable extinguishing media</b>	Use dry chemical, CO <sub>2</sub> , water spray or alcohol foam.
<b>Specific hazards</b>	Burning produces irritant fumes.
<b>Special protective equipment for firefighters</b>	In the event of fire, wear self contained breathing apparatus.
<b>Specific methods</b>	Water mist may be used to cool closed containers.

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#### **6. Accidental release measures**

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Remove all sources of ignition.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable and closed containers for disposal.

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#### **7. Handling and storage**

<b>Handling</b>	Provide sufficient air exchange and/or exhaust in work rooms. Keep away from open flames, hot surfaces and sources of ignition.
<b>Storage</b>	Keep tightly closed in a dry, cool and well-ventilated place.

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## 8. Exposure controls / personal protection

### Switzerland

#### Toluene

Exposure Limit Value 50 ppm  
 Exposure Limit Value 190 mg/m<sup>3</sup>  
 STEL (Short Term Exposure Limit) 200 ppm  
 STEL (Short Term Exposure Limit) 760 mg/m<sup>3</sup>  
 Time limit (frequency x time period): 4x15  
 Poisoning by resorption through skin possible  
 Biological monitoring  
 Substances which cause concern for human fertility.  
 Group C: Damage to fetus unlikely if the occupational exposure limit values are not exceeded.

### Personal protection equipment

#### Respiratory protection

Breathing apparatus needed only when aerosol or mist is formed.

#### Hand protection

Gloves made of VITON. Protective gloves complying with EN 374.  
 Break through time: 4 h.

#### Eye protection

Safety glasses with side-shields conforming to EN 166.

#### Skin and body protection

Long sleeved clothing.

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## 9. Physical and chemical properties

### Form

Liquid.

### Colour

Colourless.

### Odour

Characteristic.

### Physical and chemical properties

pH: not applicable.  
 Flash point: < 5 °C.  
 Water solubility: completely soluble  
 Fat solubility: emulsifiable  
 Density 0.87 g/ml.  
 Explosion limits 1 % - 7 %.

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## 10. Stability and reactivity

### Conditions to avoid

Spray mist may be flammable at temperatures below the flash point.

### Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### Hazardous decomposition products

None reasonably foreseeable.

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## 11. Toxicological information

<b>Acute toxicity</b>	<b>Toluene</b> LD50/dermal/rabbit = 12124 mg/kg. LD50/oral/rat = 636 mg/kg.
<b>Local effects</b>	May cause eye/skin irritation. Ingestion may cause irritation to mucous membranes.
<b>Long term toxicity</b>	Prolonged skin contact may defat the skin and produce dermatitis.
<b>Sensitization</b>	May cause sensitization of susceptible persons.

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## 12. Ecological information

<b>Ecotoxicity</b>	<b>toluene</b> EC50/48h/daphnia = 11.5 mg/l. LC50/96h/goldfish = 13 mg/l. Toxicity to algae: 12 mg/l. Theoretical oxygen demand (ThOD) = 3.13 g/g. Log POW = 2.65.
<b>Results of PBT assessment</b>	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
<b>Other adverse effects</b>	water contaminating (WGK-D : 2 – self estimation).

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## 13. Disposal considerations

<b>Waste from residues / unused products</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. European Waste catalogue code (EWC-code): 18 01 06.
<b>Contaminated packaging</b>	Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. Transport information

<b>ADR/RID</b>	<p>Proper shipping name FLAMMABLE LIQUID, N.O.S. (toluene)            UN No 1993.            Class 3.            Packing group II.            ADR/RID-Labels 3.            Classification code F1.            Risk No. 33.            Limited quantities LQ4.            Tunnel code 2 (D/E)</p>
<b>IMO</b>	<p>Proper shipping name Flammable liquid, n.o.s. (toluene)            UN No 1993.            Class 3.            Packing group II.            ADR/RID-Labels 3.            Limited quantities 1 L.            EmS F-E, S-E.</p>
<b>ICAO</b>	<p>Proper shipping name Flammable liquid, n.o.s. * (toluene)            UN No 1993.            Class 3.            Packing group II.            Packing instruction (passenger aircraft): 305 (5 L).            Packing instruction (LQ): Y305 (1 L).            Packing instruction (cargo aircraft): 307 (60 L).</p>

## 15. Regulatory information

<b>Symbol(s)</b>	<p>F - Highly flammable.            Xn - Harmful.</p>
<b>R-phrases(s)</b>	<p>R11: Highly flammable.            R63: Possible risk of harm to the unborn child.            R65: Harmful: may cause lung damage if swallowed.            R67: Vapours may cause drowsiness and dizziness.            R36/38: Irritating to eyes and skin.            R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.</p>
<b>S-phrases(s)</b>	<p>S1/2: Keep locked up and out of the reach of children.            S16: Keep away from sources of ignition - No smoking.            S24: Avoid contact with skin.            S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.            S53: Avoid exposure - obtain special instructions before use.            S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.            S7/9: Keep container tightly closed and in a well-ventilated place.            S36/37: Wear suitable protective clothing and gloves.</p>
<b>Hazardous components which must be listed on the label</b>	<p>toluene, CAS-No. 108-88-3, EC-No. 203-625-9</p>

**Regulatory Information**

Classification according to EC directive.  
VOC (CH) = 100%

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**16. Other information**

**Recommended use**

For industrial application only.

**Text of R phrases mentioned in Section 3**

R11: Highly flammable.  
R38: Irritating to skin.  
R63: Possible risk of harm to the unborn child.  
R65: Harmful: may cause lung damage if swallowed.  
R67: Vapours may cause drowsiness and dizziness.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**Further information**

Take notice of the directions of use on the label.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.