

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006



**Product name :** SCHWEGO® REP 8178  
**Revision :** 08.12.2009      **Version :** 1.0.0  
**Print date :** 29.03.2010

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## 01. Identification of the substance/mixture and of the company/undertaking

### Product name

SCHWEGO® REP 8178 (8178)

### Use of the substance / mixture

Printing chemical for industrial and/or professional use

### Manufacturer/Supplier

Bernd Schwegmann GmbH & Co. KG

### Street/P.O.Box

Wernher-von-Braun-Str. 14

### Country code/Postal code/Town/City

D-53501 Grafschaft-Gelsdorf

### Telephone / Telefax

+49 22 25 / 92 26-0 / +49 22 25 / 92 26-48

### Contact person Material Safety Data Sheet

E-Mail: MSDS@SchwegmannNet.de

### Emergency information

+49 61 31 / 19 24 0 (Universitätsklinikum Mainz)

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## 02. Hazards identification

### Classification

Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. · Harmful by inhalation, in contact with skin and if swallowed.

Classification : Xn ; R 68/20/21/22 · Carc. Cat.3 ; R 40 · Xn ; R 20/21/22

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## 03. Composition/information on ingredients

### Chemical characterization

Solvent mixture with dichloromethane

### Hazardous components

DICHLOROMETHANE ; EC-No. : 200-838-9; CAS-No. : 75-09-2

Percentage : 70 - 90 %

Classification : Carc. Cat.3 ; R 40

METHANOL ; EC-No. : 200-659-6; CAS-No. : 67-56-1

Percentage : < 10 %

Classification : F ; R 11 T ; R 39/23/24/25 T ; R 23/24/25

For the wording of the listed risk phrases refer to section 16.

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## 04. First-aid measures

### General

Immediately remove all contaminated clothing.

In all cases of doubt, or when symptoms persist, seek medical attention.

### After inhalation

Inhalation of aerosols or steam in high concentration: Let in fresh air.

Irregular breathing/no breathing: artificial respiration.

### After skin contact

Flush with plenty of water.

### After eye contact

Flush with plenty of water (10 - 15 min.).

Contact a doctor immediately.

### After ingestion

Do not induce vomiting. Danger of aspiration

Rinse mouth with cold water. Drink water (< 0,2 L).

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Never give an unconscious person anything by mouth.  
Contact a doctor immediately.

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## 05. Fire-fighting measures

### **Suitable extinguishing media**

Not combustible under normal conditions.

### **Unsuitable extinguishing media**

In case of fire toxic gases may be formed: Cl<sub>2</sub>, HCl, COCl<sub>2</sub>  
Carbon monoxide.

### **Special protective equipment**

When extinguishing fires, use breathing apparatus with an independent source of air.

### **Additional information**

Cool endangered containers with water in case of fire.  
Do not allow the quenching water into the sewage system.

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## 06. Accidental release measures

### **Personal precautions**

Refer to protective measures listed in sections 7 and 8.  
Provide for sufficient ventilation.

### **Environmental precautions**

Do not allow discharge into bodies of water, the soil or the sewage system.

### **Methods for cleaning up/collecting**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Remove according to regulations.

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## 07. Handling and storage

### **Information for safe handling**

Normal precautions taken when handling chemicals should be observed.  
Avoid contact with skin and eyes.  
Containers to be opened and handled with care.

### **Information about protection against explosions and fires**

No flammable liquid according to BetrSichV.

### **Requirements to be met by storerooms and containers**

Store in an area with solvent resistant flooring or on a drip pan, so that the groundwater will remain unaffected if a leak occurs.  
Other special storage requirements, such as support walls for example, are to be determined by the user, subject to the amount being stored.

### **Further information about storage conditions**

Store containers tightly closed in a cool well ventilated place.  
Avoid heating over 30° C.  
Do not store in aluminum or zinc containers

**Storage class :** 12

### **Specific uses**

Repair solvent for rubber blankets  
For further information refer to our technical data sheet.

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## 08. Exposure controls/personal protection

### **Additional information about engineering measures**

Make sure that ventilation is adequate. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

### **Components with critical values that require monitoring at the workplace (exposure limits)**

DICHLOROMETHANE ; CAS-No. : 75-09-2

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Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( D )  
Value : 75 ppm / 260 mg/m<sup>3</sup>  
Category : 4(II)  
Version date : 01.04.2007

Specification : TRGS 903 - biological maximum limits ( D )  
Parameter : CO-Hb / whole blood / end of exposure or shift  
Value : 5 %  
Version date : 31.03.2004

Specification : TRGS 903 - biological maximum limits ( D )  
Parameter : Dichloromethane / whole blood / end of exposure or shift  
Value : 1 mg/l  
Version date : 31.03.2004

METHANOL ; CAS-No. : 67-56-1

Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( D )  
Value : 200 ppm / 270 mg/m<sup>3</sup>  
Category : 4(II)  
Remarks : H, Y  
Version date : 01.04.2007

Specification : TRGS 903 - biological maximum limits ( D )  
Parameter : Methanol / urine / end of exposure or shift; after several shifts in cases of long term exposure  
Value : 30 mg/l  
Version date : 31.03.2004

## References to the thresholds

Recommended analysis methods for workplace readings: See the series of publications by the German Federal Institute for Occupational Safety and Medicine (Bundesanstalt für Arbeitsschutz und Arbeitsmedizin - BAuA)<sup>1</sup>

## Personal protective equipment

### Respiratory protection

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn. Filter: Filter model AX.  
See also "UVV" (=German prevention of accident regulations). BGR 190<sup>2</sup>.

### Hand protection

Gloves, for example Viton® rubber,  
Thick (mm): 0,7  
Penetration time (s): > 7200 (LEVEL 4) (Literature value)

### Eye protection

Use safety goggles with side protection, which comply with EN 166:2001.

## Environmental precautions

Refer to protective measures listed in section 6.

## 09. Physical and chemical properties

### Image

**Form :** Viscous.  
**Colour :** Colourless.  
**Odour :** Characteristic.

### Relevant safety data

<b>Melting point / range :</b>			-95,1 °C	literature
<b>Boiling point / range :</b>	( 1013 hPa )	>	38 °C	literature
<b>Flash point :</b>			not applicable	ISO 1523
<b>Ignition temperature :</b>		>	400 °C	DIN 51794
<b>Lower explosion limit :</b>			6 % b.v.	literature
<b>Upper explosion limit :</b>			22 % b.v.	literature
<b>Vapour pressure :</b>	( 50 °C )	<	1,5 bar	(calculated)

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<b>Vapour pressure:</b>	( 20 °C )	<	500	mbar	(calculated)
<b>Density :</b>	( 20 °C )	ca.	1,33	g/cm <sup>3</sup>	DIN EN ISO 2811-1
<b>Flow time :</b>	( 20 °C )	>	90	s	DIN-cup 4 mm

## Additional information

The designation of explosive limits refers to the flammable mixture constituents and not to the overall product.  
Additional physico-chemical data is unavailable.

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## 10. Stability and reactivity

### Conditions to avoid

None, if handled according to order.

### Materials to avoid

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

### Hazardous decomposition products

Cl<sub>2</sub>, HCl, COCl<sub>2</sub>, CO, CO<sub>2</sub>

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## 11. Toxicological information

### Toxicological tests

#### LD50/LC50 values that are relevant for classification

Specification :	LD-50 ( DICHLOROMETHANE ; CAS-No. : 75-09-2 )
Routes of entry :	oral
Test species :	rat
Value / dosage :	2136 mg/kg

### Experience on practice

In case of contact with the product: danger of resorption through the skin, irritation of skin/mucous membranes. Special properties: narcotic effect.

### Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

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## 12. Ecological information

### Ecotoxicological effects

No data available.

### Results of PBT assessment

There are no data available on the preparation / mixture itself.

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## 13. Disposal considerations

### Substance / mixture

In accordance with local official regulations. Remove in accordance with regulations.

### Recommendation

Precise waste material code to be agreed upon with waste disposer

### Waste key

EC-Waste Code: 07 07 03\*

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## 14. Transport information

### Land transport ADR/RID

#### Classification

<b>Class :</b>	6.1	<b>Kemlercode :</b>	60
<b>UN number :</b>	2810	<b>Classification-Code :</b>	T1
LQ 7 · Tunnel restriction code : E			

### Proper shipping name

TOXIC LIQUID, ORGANIC, N.O.S.

### Hazardous components

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DICHLOROMETHANE · METHANOL

#### Packaging

**Packaging group :** III  
**Label :** 6.1

#### Maritime transport IMDG/GGVSea

##### Classification

**Class :** 6.1      **EmS number :** F-A / S-A  
**UN number :** 2810      **Marine Poll. :** -

LQ 5 I

##### Proper shipping name

TOXIC LIQUID, ORGANIC, N.O.S.

##### Hazardous components

DICHLOROMETHANE · METHANOL

#### Packaging

**Packaging group :** III  
**Label :** 6.1

#### Air transport ICAO-TI and IATA-DGR

##### Classification

**Class :** 6.1  
**UN number :** 2810

##### Proper shipping name

TOXIC LIQUID, ORGANIC, N.O.S.

##### Hazardous components

DICHLOROMETHANE · METHANOL

#### Packaging

**Packaging group :** III  
**Label :** 6.1

## 15. Regulatory information

A chemical safety assessment has not been carried out for this product (mixture).

### Classification according to EC directives

#### Danger symbol and danger designation



Xn ; Harmful

#### Hazard-determining components of labelling

DICHLOROMETHANE ; CAS-No. : 75-09-2

METHANOL ; CAS-No. : 67-56-1

#### R-phrases

68/20/21/22      Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.  
40      Limited evidence of a carcinogenic effect.  
20/21/22      Harmful by inhalation, in contact with skin and if swallowed.

#### S-phrases

20/21      When using do not eat, drink or smoke.  
51      Use only in well-ventilated areas.  
36/37      Wear suitable protective clothing and gloves.  
24      Avoid contact with skin.  
7      Keep container tightly closed.

### National regulatory information

#### Ordinance for average cases (StörfallV)

##### Dangerous ingredients according to StörfallV

METHANOL ; CAS-No. : 67-56-1 ; Category : 26

#### Water pollution classification

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Class : 2 according VwVwS

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## 16. Other information

Literature:

<sup>1</sup> <http://www.baua.de>

<sup>2</sup> <http://www.arbeitssicherheit.de>

The details in this material safety data sheet satisfy national and EC legislation.

### Restrictions on use recommended by the manufacturer

Private consumer are advised not to use this product.

### Processing instructions / technical data sheets

See also data sheet: "BG-Chemie":

M050 Umgang mit gesundheitsgefährlichen Stoffen <sup>2</sup>

### Further information

#### Relevant changes

04. First-aid measures · 07. Handling and storage · 07. Information about separation of incompatible products · 08. Exposure controls/personal protection · 08. Components with critical values that require monitoring at the workplace (exposure limits) · 09. Physical and chemical properties · 12. Ecological information · 13. Disposal considerations · 14. Classification (ADR) · 15. Regulatory information

#### R-Phrases of components

The details refer to the separate ingredients, not to the product.

11	Highly flammable.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
40	Limited evidence of a carcinogenic effect.

### Contact

Dipl.-Chem. (FH) Gabriele Janssen · Tel. +49 (0) 22 25 / 92 26-12, Fax -48

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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