

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

# Chemetall

## MC-780 C-12 Kit

Version: 2 15.12.2009

Print Date 15.09.2010

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

English

#### Product information

Commercial Product Name MC-780 C-12 Kit

#### Recommended use:

Sealant

Company: Chemetall plc  
Denbigh Road  
Bletchley Milton Keynes MK1 1PB

Lead Organisation:

Contact person:

Telephone: 01908 649333

Telefax: 01908 373939

Product safety:

Telephone: +49(0)6971652832

E-mail address: msds.de@chemetall.com

Emergency telephone: 01908 649333

### 2. HAZARDS IDENTIFICATION

#### Risk advice to man and the environment

#### Classification:

Dangerous for the environment

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical characterization:

polymers

#### Hazardous components

**Polysulfide polymer** 25.00 - 50.00 %

**CAS-No.:** 68611-50-7

**Classification:** R52/53

**Polysulfide polymer** 10.00 - 25.00 %

**CAS-No.:** 68611-50-7

**Classification:** N; R51/53

**Xylene** 2.50 - 10.00 %

**CAS-No.:** 1330-20-7 **EINECS-No.:** 215-535-7

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**Classification:** R10 Xn; R20/21 Xi; R38

**Ethylbenzene** 1.00 - 2.50 %

**CAS-No.:** 100-41-4 **EINECS-No.:** 202-849-4

**Classification:** F; R11 Xn; R20

### 4. FIRST AID MEASURES

**General advice:**

First-aid crew: Ensure self-protection. Move out of dangerous area. Take off contaminated clothing and shoes immediately.

**Eye contact:**

Rinse immediately with plenty of water, also under the eyelids. Consult a physician.

**Skin contact:**

Wash off with soap and plenty of water. If symptoms persist, call a physician.

**Inhalation:**

Move to fresh air. If symptoms persist, call a physician.

**Ingestion:**

Rinse mouth. If symptoms persist, call a physician.

### 5. FIRE-FIGHTING MEASURES

**Specific hazards during fire fighting:**

May form toxic gases on heating or in case of fire.

**Special protective equipment for fire-fighters:**

In the event of fire, wear self-contained breathing apparatus.

**Suitable extinguishing media:**

Carbon dioxide (CO<sub>2</sub>), Dry powder, Alcohol-resistant foam, Water spray

**Extinguishing media which shall not be used for safety reasons:**

High volume water jet

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Wear personal protective equipment.

**Environmental precautions:**

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

**Methods for cleaning up:**

Ensure adequate ventilation. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

### 7. HANDLING AND STORAGE

**Handling**

**Safe handling advice:**

Provide sufficient air exchange and/or exhaust in work rooms. Have eye wash bottle or eye rinse ready at the work place.

**Advice on protection against fire and explosion:**

Keep away from sources of ignition - No smoking. Normal measures for preventive fire

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protection.

### Advice on protection against fire and explosion:

Keep away from sources of ignition - No smoking. Normal measures for preventive fire protection. Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

### Storage

### Requirements for storage areas and containers:

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Additional technical information on the plant:

Ensure adequate ventilation, especially in confined areas.

### Components with workplace control parameters

#### Xylene 1330-20-7

	Value	Update	Basis
TWA	50.00 ppm 220.00 mg/m <sup>3</sup>	2005-04-06	GB EH40
STEL	100.00 ppm 441.00 mg/m <sup>3</sup>	2005-04-06	GB EH40
TWA	50.00 ppm 221.00 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
STEL	100.00 ppm 442.00 mg/m <sup>3</sup>	2000-06-16	2000/39/EC

#### Ethylbenzene 100-41-4

	Value	Update	Basis
TWA	100.00 ppm 442.00 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
STEL	200.00 ppm 884.00 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
TWA	100.00 ppm 441.00 mg/m <sup>3</sup>	2005-04-06	GB EH40
STEL	125.00 ppm 552.00 mg/m <sup>3</sup>	2005-04-06	GB EH40

### Personal protective equipment

#### Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. Recommended Filter type: A-P2

#### Hand protection:

General advice: Nitrile rubber, butyl-rubber, Rubber gloves, Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

#### Eye protection:

Safety glasses with side-shields conforming to EN166

#### Skin and body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

#### Hygiene measures:

Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe vapour.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid

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Colour:	beige
Odour:	like polysulfide solvent
Odour:	sulphurous solvent
Flash point:	81 °C
Lower explosion limit:	1 %(V) Vapours may form explosive mixture with air. CAS 1330-20-7
Upper explosion limit:	7 %(V) CAS 1330-20-7
Density:	1.3 g/cm <sup>3</sup> at 20 °C
Water solubility:	insoluble

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:**

Keep away from open flames, hot surfaces and sources of ignition.

**Materials to avoid:**

Strong oxidizing agents

**Hazardous decomposition products:**

No decomposition if used as directed.

### 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity:**

LD50 rat

Dose: 4,300 mg/kg

1330-20-7 Xylene

**Acute oral toxicity:**

LD50 rat

Dose: 3,500 mg/kg

100-41-4 Ethylbenzene

**Acute inhalation toxicity:**

LC50 rat

Exposure time: 4 h

Dose: 28 mg/l

1330-20-7 Xylene

**Acute inhalation toxicity:**

LC50 rat

Exposure time: 4 h

Dose: 17.2 mg/l

100-41-4 Ethylbenzene

**Acute dermal toxicity:**

LD50 rat

Dose: 3,200 mg/kg

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1330-20-7 Xylene

**Acute dermal toxicity:**

LD50 rabbit

Dose: 15,354 mg/kg

100-41-4 Ethylbenzene

**Skin irritation:**

May cause skin irritation in susceptible persons.

**Eye irritation:**

May cause eye irritation with susceptible persons.

### 12. ECOLOGICAL INFORMATION

**Elimination information (persistence and degradability):**

**Biodegradability:**

Remarks: no data available

**Further information:**

water endangering Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not flush into surface water or sanitary sewer system.

### 13. DISPOSAL CONSIDERATIONS

**Waste key for the unused product:**

080409 waste adhesives and sealants containing organic solvents or other dangerous substances

**Product:**

Dispose of in accordance with local regulations.

**Contaminated packaging:**

Dispose of as unused product.

### 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

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R-phrases(s):	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s):	S16 S37/39 S61	Keep away from sources of ignition - No smoking. Wear suitable gloves and eye/face protection. Avoid release to the environment. Refer to special instructions/ Safety data sheets.

### National legislation

#### Water contaminating class (Germany):

WGK 2 : water endangering  
VWWWS A4

#### Other regulations:

The product is classified and labelled in accordance with EC directives or respective national laws.

## 16. OTHER INFORMATION

### Text of R phrases mentioned in Section 3

**R10** Flammable.

**R11** Highly flammable.

**R20** Harmful by inhalation.

**R20/21** Harmful by inhalation and in contact with skin.

**R38** Irritating to skin.

**R51/53** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**R52/53** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.