

**Productname :** MARKER PEN  
**Ref.Nr.:** BDS000886\_3\_20111201 (EN)

**Creationdate :** 01.12.11 Version : 1.0  
**Replaces:**

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**MARKER PEN**  
Bulk

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Paints

### 1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.  
Wylds Road  
Castlefield Industrial Estate  
TA6 4DD Bridgwater Somerset  
United Kingdom  
Tel.: +44 1278 727200  
Fax.: +44 1278 425644  
E-mail : hse.uk@crcind.com

### 1.4. Emergency telephone number

(+44)(0)1278 72 7200 (office hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC:

<b>Health:</b>	R20/21: Harmful by inhalation and in contact with skin.
<b>Physical:</b>	R10: Flammable.
<b>Environment:</b>	Not classified

### 2.2. Label elements

Contains:  
xylene

**Warning symbol(s) :** Xn : HARMFUL



**Risk-phrase(s) :** R10: Flammable.

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**Safety-phrase(s) :**

R20/21: Harmful by inhalation and in contact with skin.  
 S2: Keep out of the reach of children.  
 S46: If swallowed, seek medical advice immediately and show this container or label.

**Special labelling provisions:**

Restricted to professional users.

**2.3. Other hazards**

None

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable.

**3.2. Mixtures**

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
xylene	1330-20-7	215-535-7	30-60	Xn	10-20/21-38	A
2-methylpropan-1-ol; iso-butanol	78-83-1	201-148-0	<10	Xi	10-37/38-41-67	B
<b>Explanation notes</b>						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
xylene		1330-20-7	215-535-7	30-60	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2	H226,H332,H312,H315	A
2-methylpropan-1-ol; iso-butanol		78-83-1	201-148-0	<10	Flam. Liq. 3, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, STOT SE 3	H226,H335,H315,H318,H336	B
<b>Explanation notes</b>							
A : substance with Community workplace exposure limit							
B : substance with national established workplace exposure limit							

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures****4.1. Description of first aid measures****Contact with eyes :**

If substance has got into eyes, immediately wash out with water for at least 15 minutes  
 Seek medical advice

**Contact with skin :**

Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water  
 Seek medical advice

**Inhalation :**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell.

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**Ingestion :** If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

#### 4.2. Most important symptoms and effects, both acute and delayed

**Inhalation :** Harmful by inhalation.  
Symptoms : sore throat, cough, shortness of breath, headache

**Ingestion :** May induce chemical pneumonia.  
Symptoms : sore throat, abdominal pain, nausea, vomiting

**Skin contact :** Harmful in contact with skin  
Repeated exposure may cause skin dryness or cracking.  
Symptoms : redness and pain

**Eye contact :** May cause irritation.  
Symptoms : redness and pain

#### 4.3. Indication of any immediate medical attention and special treatment needed

**General Advice :** If you feel unwell, seek medical advice (show the label where possible)  
If symptoms persist always call a doctor

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

foam, carbon dioxide or dry agent

#### 5.2. Special hazards arising from the substance or mixture

Forms hazardous decomposition products  
CO,CO<sub>2</sub>

#### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources  
Use only outdoors or in a well-ventilated area.  
Wear suitable protective clothing and gloves.

#### 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses  
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

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### 6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material  
Place in appropriate container

### 6.4. Reference to other sections

For further information see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat and sources of ignition  
Take precautionary measures against static discharges  
Equipment should be earthed  
Use explosion-proof electrical/ventilating/lighting/.../equipment.  
Use only non-sparking tools.  
Do not breathe aerosols or vapours.  
Use only outdoors or in a well-ventilated area.  
Avoid contact with skin and eyes.  
Wash thoroughly after use  
Wear protective gloves/protective clothing/eye protection/face protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated place  
Keep out of reach of children.

### 7.3. Specific end use(s)

Paints

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
National established exposure limits, United Kingdom			
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
2-methylpropan-1-ol; iso-butanol	78-83-1	TWA	50 ppm
		STEL	75 ppm

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## 8.2. Exposure controls

<b>Control procedures :</b>	Use only outdoors or in a well-ventilated area. Keep away from heat and sources of ignition Take precautionary measures against static discharges
<b>Personal protection :</b>	Take precautions to avoid contact with skin and eyes when handling the product. Do not breathe aerosols or vapours.
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Air purifying respirator equipped with organic gas/vapor cartridge (type A)
<b>hands and skin :</b>	Wear suitable protective gloves Nitrile
<b>eyes :</b>	Wear safety eyewear according to EN 166.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Apperance : physical state :</b>	Liquid.
<b>colour :</b>	Black.
<b>odour :</b>	Aromatic.
<b>pH :</b>	Not applicable.
<b>Boiling point/range :</b>	> 100 °C
<b>Flash point :</b>	25 °C (Closed Cup)
<b>Evaporation rate :</b>	Not available.
<b>Explosion limits : upper limit :</b>	Not available.
<b>lower limit :</b>	Not available.
<b>Vapour pressure :</b>	Not available.
<b>Relative density :</b>	0.9 Not available.
<b>Solubility in water :</b>	Insoluble in water
<b>Auto-ignition :</b>	> 200 °C
<b>Viscosity :</b>	Not available.

### 9.2. Other information

<b>VOC = volatile organic compounds</b>	48 %
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable

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### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

### 10.4. Conditions to avoid

Avoid overheating

### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO2

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Inhalation :</b>	Harmful by inhalation. Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	May cause gastrointestinal disturbances
<b>Skin contact :</b>	Harmful in contact with skin Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
<b>Eye contact :</b>	May cause irritation.

#### Toxicological data :

No information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Not classified

#### Ecotoxicological data:

No information available

### 12.2. Persistence and degradability

No experimental data available



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### 12.3. Bioaccumulative potential

No experimental data available

### 12.4. Mobility in soil

No experimental data available

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Other adverse effects

No experimental data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Product :** This material and its container must be disposed of in a safe way.  
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**Contaminated packaging :** Disposal should be in accordance with local, state or national legislation

## SECTION 14: Transport information

### 14.1. UN number

UN-number : 1263

### 14.2. UN proper shipping name

Proper shipping name: PAINT

### 14.3. Transport hazard class(es)

Class: 3  
ADR/RID - Classification code: F1

### 14.4. Packing group

Packing group: III

### 14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No



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IMDG - Marine pollutant: No  
IATA/ICAO - Environmentally  
hazardous: No

#### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (D/E)  
IMDG - Ems: F-E, S-D  
IATA/ICAO - PAX: 309  
IATA/ICAO - CAO: 310

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The Safety Data Sheet is compiled according to the current European requirements.  
EU-directive 99/45/EC  
Regulation (EC) No 1272/2008 (CLP)  
Regulation (EC) No 1907/2006 (REACH)

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation hazard statements: H226 : Flammable liquid and vapour.  
H312 : Harmful in contact with skin.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.