

Productname : MARKER PEN
Ref.Nr.: BDS000886_3_20221223 (EN)

Creationdate : 23.12.22 Version : 3.1
Replaces: BDS000886_20170629

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 Regulation (EC) No 1272/2008

Physical: Flammable liquid, category 3
Flammable liquid and vapour.

Classification is based on test data.

Health: Acute toxicity, category 4
Harmful in contact with skin.
Acute toxicity, category 4
Harmful if inhaled.
Skin irritation, category 2
Causes skin irritation.

Classification based on calculation method.

Environment: Not classified



Classification based on calculation method.

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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier:	Contains: xylene
Hazard pictogram(s):	 
Signal word:	Warning
Hazard statement(s):	H226 : Flammable liquid and vapour. H312 : Harmful in contact with skin. H332 : Harmful if inhaled. H315 : Causes skin irritation.
Precautionary statement(s):	P102 : Keep out of reach of children. P261 : Avoid breathing dust/fume/gas/mist/vapours/spray. P271 : Use only outdoors or in a well-ventilated area. P280 : Wear protective gloves/protective clothing/eye protection/face protection. P302/352 : IF ON SKIN: Wash with plenty of soap and water. P312 : Call a POISON CENTER or doctor/physician if you feel unwell. P501-2 : Dispose of contents/container to an authorised waste collection point.
Supplemental Hazard information:	Restricted to professional users.

The label information is reduced in accordance with section 1.5.2 of Annex I (art 29 CLP-regulation)

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
o-xylene [1]	01-2119485822-30	95-47-6	202-422-2 [1]	40-50	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2	H226,H332,H312,H315	A
Benzenamine, reaction products with aniline hydrochloride and nitrobenzene	01-2119985657-16	101357-15-7	309-912-6	10-20	Self-heat. 2	H252	
propan-2-ol; isopropyl alcohol; isopropanol	01-2119457558-25	67-63-0	200-661-7	5-15	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B
diphenvlamine	01-	122-39-4	204-	0-1	Acute Tox. 3. Acute Tox. 3.	H331.H311.H301.H373.H400.H410	

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	2119488966-13		539-4	Acute Tox. 3, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1	
Explanation notes					
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.
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
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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,CO2



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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

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)



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Paints

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
o-xylene [1]	95-47-6	TWA	50 ppm
		STEL	100 ppm
National established exposure limits, United Kingdom			
diphenylamine	122-39-4	TWA	10 mg/m3
		STEL	20 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
National established exposure limits, Ireland			
diphenylamine	122-39-4	TWA	10 mg/m3
		STEL	20 mg/m3
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	TWA	200 ppm
		STEL	400 ppm
o-xylene [1]	95-47-6	TWA	50 ppm
		STEL	100 ppm

8.2. Exposure controls

Control procedures :	Use only outdoors or in a well-ventilated area. Keep away from heat and sources of ignition Take precautionary measures against static discharges
Personal protection :	Take precautions to avoid contact with skin and eyes when handling the product. Do not breathe aerosols or vapours.
inhalation :	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type A)
hands and skin :	When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.
Recommended gloves:	Nitrile
eyes :	Wear safety eyewear according to EN 166.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance : physical state : Liquid.
colour : Black.
odour : Aromatic.
pH : Not applicable.
Melting point/range : Not applicable.
Boiling point/range : > 100 °C
flammability: May form flammable vapour-air mixture
Flash point : 25 °C (Closed Cup)
Evaporation rate : Not available.
Explosion limits : upper limit : Not available.
lower limit : Not available.
Vapour pressure : Not available.
Relative density : 0.9 Not available.
Solubility in water : Insoluble in water
Partition coefficient n-octanol/water: Not applicable.
Auto-ignition : > 200 °C
Viscosity : Not available.
Particle characteristics: Not applicable.

9.2. Other information

VOC = volatile organic compounds 48 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

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



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10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

acute toxicity:	Harmful in contact with skin. Harmful if inhaled.
skin corrosion/irritation:	Causes skin irritation.
serious eye damage/irritation:	based on available data the classification criteria are not met
respiratory or skin sensitisation:	based on available data the classification criteria are not met
germ cell mutagenicity:	based on available data the classification criteria are not met
carcinogenicity:	based on available data the classification criteria are not met
toxicity for reproduction:	based on available data the classification criteria are not met
STOT-single exposure:	based on available data the classification criteria are not met
STOT repeated exposure:	based on available data the classification criteria are not met
aspiration hazard:	based on available data the classification criteria are not met

Information on likely routes of exposure:

Inhalation :	Harmful by inhalation. Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	May cause gastrointestinal disturbances
Skin contact :	Harmful in contact with skin Irritating to skin
Eye contact :	May cause irritation.

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	LD50 oral rat	5840 mg/kg
		LC50 inhal.rat	> 25000 mg/l
		LD50 derm.rabit	13900 mg/kg

11.2. Information on other hazards

No information available

SECTION 12: Ecological information

12.1. Toxicity

Not classified



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Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	IC50 algae	1000 mg/l
		LC50 fish	9640 mg/l
		EC50 daphnia	9714 mg/l

12.2. Persistence and degradability

No experimental data available

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. Endocrine disrupting properties

No information available

12.7. Other adverse effects

No experimental data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****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)

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Class: 3
ADR/RID - Classification code: F1

14.4. Packing group

Packing group: III

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No
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-E
IATA/ICAO - PAX: 355
IATA/ICAO - CAO: 366

14.7. Maritime transport in bulk according to IMO instruments

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.
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements: H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H252 : Self-heating in large quantities; may catch fire.
H301 : Toxic if swallowed.
H311 : Toxic in contact with skin.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H331 : Toxic if inhaled.
H332 : Harmful if inhaled.



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H336 : May cause drowsiness or dizziness.

H373 : May cause damage to organs through prolonged or repeated exposure

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.

acronyms and synonyms:

TWA = time weight average

STEL = short time exposure limit

VOC = volatile organic compounds

PBT = persistent bioaccumulative toxic

vPvB = very persistent very bioaccumulative

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.

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