

EC safety data sheet

Trade name: e-8280 UV-Marker-Ink

Version : 1/GB

Status: 25.09.03

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1) Identification of the substance/preparation and company

Product details

Trade name

e-8280 UV Marker

Identification of the manufacturer / supplier

Address

ecding Aktiengesellschaft

Bookkoppel 7

D-22926 Ahrensburg

Telephone no. +49 (0) 41 02 / 80 8-0

Information provided by / telephone

+49 (0)4102 - 808-0

Emergency telephone number

2) Composition / information on ingredients

Chemical characterization

Mixture (preparation)

Hazardous ingredients

XYLENE

Concentration > 25 %-b.w. < 30 %-b.w.

CAS no. 1330-20-7

Hazard symbols Xn R phrases 10, 20/21, 38

ETHYLBENZENE

Concentration > 5 %-b.w. < 10 %-b.w.

CAS no. 100-41-4

Hazard symbols F, Xn R phrases 11, 20

ETHANOL

Concentration > 10 %-b.w. < 15 %-b.w.

CAS no. 64-17-5

Hazard symbols F R phrases 11

1-METHOXY-2-PROPANOL

Concentration > 5 %-b.w. < 10 %-b.w.

CAS no. 107-98-2

R phrases 10

CYCLOHEXANONE

Concentration > 5 %-b.w. < 10 %-b.w.

CAS no. 108-94-1

Hazard symbols Xn R phrases 10, 20

BUTYLGLYCOL ACETATE

Concentration > 15 %-b.w. < 20 %-b.w.

CAS no. 112-07-2

Hazard symbols Xn R phrases 20/21

3) Hazards possibilities

Hazard designation

Hazard symbols

F Highly flammable

Xn Harmful

R phrases

11 Highly flammable

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin

4) First aid measures**General information**

By continuous complaints consult a physician.
Remove immediately contaminated clothing and shoes and launder thoroughly before reusing.

After inhalation

Remove affected person from danger area.
Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.)
Eye treatment by an Occulist.

After ingestion

Rinse mouth thoroughly with water.
Never give anything by mouth to an unconscious person.
If individual is drowsy or unconscious place in recovery position (on left side, with head down)
Summon a doctor immediately.

5) Fire-fighting measures**Suitable extinguishing media**

Alcohol-resistant foam
Dry powder
Water mist
Carbon dioxide

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

Special protective equipment for firefighting

Use self-contained breathing apparatus.
Wear protective clothing.

Other information (chapter 5.)

Cool endangered containers with water spray jet.
Suppress gases/vapours/mists with water spray jet.

6) Accidental release measures**Personal precautions**

Refer to protective measures listed in sections 7 and 8.
Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation.
Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Take up with absorbent material (eg sand, kieselguhr, universal binder).
Send in suitable containers for recovery or disposal.

7) Handling and storage**Handling****Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary)
If workplace limits are exceeded, a respiration protection approved for this particular job must be worn.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air.
Take precautionary measures against static charges.
Keep away from sources of heat and ignition
Use explosion-proof equipment/fittings and non-sparking tools.

Storage**Requirements for storage rooms and vessels**

Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Always keep in containers of same material as the original one.

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Hints on storage assembly

Do not store together with:

Oxidizing agents

Acids

Alkalies

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

8) Exposure controls / personal protection

Ingredients with occupational exposure limits to be monitored

XYLENE

CAS no.	1330-20-7	
EINECS no.	215-535-7	
MAK (TRGS 900)	100.00	ml/m ³
	440.00	mg/m ³

ETHYLBENZENE

CAS no.	100-41-4	
EINECS no.	202-849-4	
MAK (TRGS 900)	100.00	ml/m ³
	440.00	mg/m ³

ETHANOL

CAS no.	64-17-5	
EINECS no.	200-578-6	
MAK (TRGS 900)	1000.00	ml/m ³
	1900.00	mg/m ³

1-METHOXY-2-PROPANOL

CAS no.	107-98-2	
EINECS no.	203-539-1	
MAK (TRGS 900)	100.00	ml/m ³
	375.00	mg/m ³

CYCLOHEXANONE

CAS no.	108-94-1	
EINECS no.	203-631-1	
MAK (TRGS 900)	20.00	ml/m ³
	80.00	mg/m ³

BUTYLGLYCOL ACETATE

CAS no.	112-07-2	
EINECS no.	203-933-3	
MAK (TRGS 900)	20.00	ml/m ³
	135.00	mg/m ³

Personal protective equipment

Respiratory protection

If workplace limits are exceeded, a respirations protection approved for this particular job must be worn.

Hand protection

Chemicals- / solvent-resistant gloves

Eye protection

Tightly fitting safety glasses

Skin protection

Clothing as usual in the chemical industry.

Protective shoes

General protective and hygiene measures

Do not eat, drink or smoke during work time.

Keep away from foodstuffs and beverages.

Avoid contact with eyes and skin.

Remove soiled or soaked clothing immediately.

Do not inhale vapours.

Wash hands before breaks and after work.

Hold eye bath available.

Hold emergency shower available.

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9) Physical and chemical properties

Appearance

Form	liquid
Colour	colourless
Odour	perceptible

Safety data

Changes in physical state

Type	Boiling point		
Value	>	70	°C
Pressure	1013	hPa	

Flash point

Value	<	21	°C
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Vapour pressure

Value	<	1100	hPa
Reference temperature	50	°C	

Density

Value	0,80	-	1,00	g/cm ³
Reference temperature	20	°C		

Viscosity

Type	Efflux time			
Value	10	-	20	sec
Method	DIN beaker 4 mm			
Reference temperature	20	°C		

Solvent separation test

Value	<	3	%
Reference temperature	20	°C	

10) Stability and reactivity

Materials to avoid

- Oxidising agents
- Alkalies
- Acids

Hazardous decomposition products

No hazardous decomposition products known.

11) Toxicological information

Experience in practice

Inhalation of vapours may lead to headache, drowsiness and dizziness.
Inhalations of vapours in higher concentration may lead to irritation of eyes, nose and respiratory tract.
Repeated and prolonged skin contact may lead to defatting and irritation of the skin.
Eye contact with the product may lead to irritation.

12) Ecological information

General information / ecology

Do not discharge into the drains or waters and do not store on public depositories

13) Disposal considerations

Product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Uncleaned packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

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14) Transport information

Land transport ADR/RID

Class	3, 5 b
Hazard no.	33
UN number	1263
Technical name	Paint

Marine transport IMDG/GGVSee

Class	3.2
Packaging group	II
UN number	1263
Proper shipping name	Paint
EmS	3-05
M.FAG	310
M.ARPOL	--

Air transport ICAO/IATA

Class	3
Packaging group	II
UN number	1263
Proper shipping name	Paint

15) Regulatory information

Labelling in accordance with EC directives

Classification according to the 'Listing Principle' of the Guidelines for preparations (88/379/EEC).

Hazard symbols

F	Highly flammable
Xn	Harmful

Hazardous component(s) to be indicated on label

XYLENE

R phrases

11	Highly flammable
20/21	Harmful by inhalation and in contact with skin.
38	Irritating to skin.

S phrases

7	Keep container tightly closed.
16	Keep away from sources of ignition --- No smoking.
24	Avoid contact with skin.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
29	Do not empty into drains.
51	Use only in well-ventilated areas.

16) Other information

Department issuing safety data sheet

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This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

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