

EC safety data sheet

Trade name: edding e-370, black

Status: 08.02.2001

Product no.:

Version : 1 / GB

Date of printing : 13.10.2003

1.) Identification of the substance/preparation and company

Product details

Trade name

edding e-370, black

Identification of the manufacturer / supplier

Address

edding 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

ETHANOL

CAS no.	64-17-5		
Concentration	> 25	< 30	%-b.w.
Hazard symbols	F	R phrases	11

4-HYDROXY-4-METHYLPENTAN-2-ONE

CAS no.	123-42-2		
Concentration	> 1	< 5	%-b.w.
Hazard symbols	Xi	R phrases	36

1-METHOXY-2-PROPANOL

CAS no.	107-98-2		
Concentration	> 40	< 45	%-b.w.
Hazard symbols	-	R phrases	10

ROSIN

CAS no.	8050-09-7		
Concentration		>= 1	%-b.w.
Hazard symbols	Xi	R phrases	43

PHOSPHORIC ACID MONODIESTER

CAS no.	52019-36-0		
Concentration	> 1	< 5	%-b.w.
Hazard symbols	Xi	R phrases	36/38

3.) Hazards possibilities

Hazard symbols

F Highly flammable Xi Irritant

R phrases

11 Highly flammable
43 May cause sensitization by skin contact.

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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

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

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

5.) Firefighting measures

Suitable extinguishing media

Alcohol-resistant foam; Dry powder; Carbon dioxide; Water spray jet

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

None known

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

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

8.) Exposure controls / personal protection

Ingredients with occupational exposure limits to be monitored

ETHANOL

CAS no. 64-17-5
EINECS no. 200-578-6

OES/EH40

TWA 1000 ml/m³ 1920 mg/m³

4-HYDROXY-4-METHYLPENTAN-2-ONE

CAS no. 123-42-2
EINECS no. 204-626-7

OES/EH40

TWA 50 ml/m³ 241 mg/m³

STEL 75 ml/m³ 362 mg/m³

1-METHOXY-2-PROPANOL

CAS no. 107-98-2
EINECS no. 203-539-1

OES/EH40

TWA 100 ml/m³ 375 mg/m³

STEL 300 ml/m³ 1120 mg/m³

Skin resorption /
sensibilisation

Sk

2000/39/EC

TWA 100 ml/m³ 375 mg/m³

STEL 150 ml/m³ 568 mg/m³

Skin resorption /
sensibilisation

skin

BENZYL BUTYL PHTHALATE

CAS no. 85-68-7
EINECS no. 201-622-7

OES/EH40

TWA 5 mg/m³

Personal protective equipment

Respiratory protection

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

Hand protection

Gloves (solvent-resistant)

Eye protection

Safety glasses

Skin protection

Clothing as usual in the chemical industry.

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.

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9.) Physical and chemical properties

Appearance

Form	liquid
Colour	black
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	0,8	- 1,2	g/cm ³
Reference temperature	20	°C	

Viscosity

type	Efflux time		
Value	12	- 80	sec
Method	DIN cup 4 mm		
Reference temperature	20	°C	

Solubility in water

Remarks	miscible
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Other information (chapter 9.)

Physical data relate to the solvent.

10.) Stability and reactivity

Materials to avoid

Oxidising agents; 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.
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