



edding International GmbH • D-22923 Ahrensburg

edding International GmbH

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Ahrensburg, 03.04.2002

Dear Sirs,

We refer to your request regarding the EC Safety Data Sheets that we provide for the ink used in our pens.

As products, writing utensils and markers do not fall under the European Dangerous Preparations Directive so there is no need to issue Safety Data Sheets.

For this reason we are enclosing EC Safety Data Sheets for the inks which are used in the pen concerned.

Please bear in mind that the information on the data sheet relates to the handling of large quantities of liquid in bulk, or so-called large units.

However, our articles only contain a comparatively small quantity of the inks so most of the information is not relevant to you.

Assuming our products are used and stored in a normal way they are not dangerous.

Best regards
edding International GmbH



Steffen Suse
Head of Product Development



EC safety data sheet

Trade name: Whiteboard Ink in e-361

Status: 16.10.01

Product:

Version : 2/GB

page: 1(4)

1) Identification of the substance/preparation and company

Product details

Trade name

Whiteboard Ink in e-361

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

+49 (0)30 192 40 (Toxic Substance Emergency Call Centre Berlin)

2) Composition / information on ingredients

Chemical characterization

Pigments, resins, separating agents and surface-active substances in organic solvents.

Hazardous ingredients

ETHANOL

Concentration = 60 %-b.w.

CAS no. 64-17-5

Hazard symbols F R phrases 11

PROPAN-1-OL

Concentration = 20 %-b.w.

CAS no. 71-23-8

Hazard symbols F, Xi R phrases 11, 41, 67

3) Hazards possibilities

Hazard designation

Hazard symbols

F Highly flammable

Xi Irritant

R phrases

11 Highly flammable

41 Risk of serious damage to eyes.

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 Oculist.

After ingestion

Summon a doctor immediately.

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).

Rinse out mouth and give plenty of water to drink.

5) Fire-fighting measures

Suitable extinguishing media

Foam

Dry powder

Water spray jet

Carbon dioxide

Extinguishing media that must not be used for safety reasons

Full water jet

EC safety data sheet

Trade name: Whiteboard Ink in e-361

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Version : 2/GB

page: 2(4)

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

In the event of fire the following can be released:

Carbon dioxide (CO₂)

Carbon monoxide (CO)

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.

Hints on storage assembly

None known

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

ETHANOL

CAS no.

64-17-5

EINECS no.

200-578-6

MAK (TRGS 900)

1000.00

ml/m³

1900.00

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

Chemicals- / solvent-resistant gloves

Eye protection

Tightly fitting safety glasses

Skin protection

Clothing as usual in the chemical industry.

Protective shoes

EC safety data sheet

Trade name: Whiteboard Ink in e-361

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Version : 2/GB

page: 3(4)

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.

9) Physical and chemical properties

Appearance

Form	liquid
Colour	Various, depending on coloration
Odour	characteristic

Safety data

Changes in physical state

Type	Boiling point	
Value	78	°C

Flash point

Value	12	°C
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self ignition

Value	422	°C
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Density

Value	0,815 - 0,855	g/cm ³
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Viscosity

Value	5 - 12	mPa*s
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Solubility in water

Remarks	miscible
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Solids content

Value	4 - 8	%
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10) Stability and reactivity

Materials to avoid

None known

Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition

No decomposition if used as prescribed.

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 numer, 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.

EC safety data sheet

Trade name: Whiteboard Ink in e-361

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Version : 2/GB

page: 4(4)

14) Transport information

Land transport ADR/RID

Class	3, 5 b
UN number	1263
Technical name	Paint

Marine transport IMDG/GGVSee

Class	3.2
Packaging group	II
UN number	1263
Propper shipping name	Paint

Air transport ICAO/IATA

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

15) Regulatory information

Labelling in accordance with EC directives

Classification according to the 'Listing Principe' of the Guide lines for preparations (88/379/EEC).

Hazard symbols

F	Highly flammable
Xi	Irritant

R phrases

11	Highly flammable
41	Risk of serious damage to eyes.

S phrases

9	Keep container in a well-ventilated place.
16	Keep away from sources of ignition --- No smoking.
29	Do not empty into drains.
33	Take precautionary measures against static discharges.

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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