

**1. Identification of substance**

Trade name: DEKA-TwinPen, different shades, nos. 75-04 to 75-90
Usage: pencil for fabrics
Manufacturer: DEKA Textilfarben GmbH
Kapellenstraße 18
D-82008 Unterhaching
Germany
Phone: ++ 49 / (0) 89 / 66 50 64 - 0
Fax: ++ 49 / (0) 89 / 611 76 51

2. Composition / information on ingredients

Preparation of an ink , water, glycol's, inorganic and organic pigments

3. Hazards identification

Hazard designation: No according EC lists

4. First aid measures

Skin contact: Instantly wash with water and soap and rinse thoroughly.
Eye contact: Rinse opened eye for several minutes under running water.
Swallowing: Rinse mouth with water.
Inhalation: n.a.
General information: Consult doctor in case of symptoms.

5. Fire fighting measures

Suitable fire-extinguisher: Damp fog, extinguishing foam, CO₂, extinguishing powder, sand
Unsuitable fire-extinguisher: Strong jet of water to avoid packaging damage

The paint will feed fire after evaporation of water and formate fumes and gases, f.e. carbon monoxide (CO), nitrogen oxides.

6. Accidental release measures.

Personal precautions: No special, avoid eye and skin contact. See also 8.
Environmental precautions: Do not allow product to reach sewage system or water bodies.
Methods of cleaning up: Small amounts sweep up. Dispose of contaminated material in accordance with applicable law.

7. Handling and storage

Handling: Handle the pencils with care and appropriate rules.
Storage: Keep dry and pencil tightly closed. Keep away from heat and frost.

8. Exposure controls and personal protection

General: Avoid eye and skin contact.
Hygiene: Remove any soiled and impregnated garments, clean with cold water and soap. Before brake and after days work wash hands with water and soap. During working do not eat, drink, smoke or take snuff.

Personal protection is normally not required.

Hands: n.a.
Eyes: n.a.
Respiration: n.a.



9. Physical and chemical properties

Form:	liquid
Colour:	different shades
Odour:	none
Boiling point / range:	100°C, water
Vapour pressure:	23 hPa, water
Density, 20°C:	1,02 to 1,08 g/ml, different shades
Water solubility:	soluble, fully miscible
pH-value, 20°C:	about 8 to 9
Flashpoint:	n.a.

10. Stability and reactivity

Stability:	Stable, if used according to specifications.
Reactivity:	Stable, if used according to specifications.
Hazardous decomposition products:	None, if used according to specifications.

11. Toxicological information

There are no data of the ready preparation available.

LD50° > 2000 mg/kg oral, rat

° preparation, rawmaterials

Information from practical use

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. University Uppsala (S); G. Wieslander, D. Norback, C. Edling: Polymer Paint. Col. J. 184 (4357), 448 (1984)

Eye contact: May cause moderate irritation including burning sensation and paste up eyelids.

12. Ecological information

Long years experience indicates that the paint does not cause significant environmental effects. There are no data of the ready preparation available. Keep out of soil, water, rivers, lakes and ground-water. Please note the local regulations for sewage and water.

13. Disposal considerations

Please note the local regulations for sewage. Dispose of remaining paint in accordance with applicable country, federal, state and local regulations. Dispose of packaging according to regulations on the disposal of packaging. Absolutely cleaned packaging can be recycled.

Suggestion: Controlled burning.

EWC No. 08 01 12	Paint- and varnish rubbish ...
EWC No. 08 01 20	Suspension containing colours and paints ...
EWC No. 08 01 99	Rubbish not mentioned

14. Transport information

Not dangerous according to ADR.

Keep glass tightly closed. Keep away from heat and frost. Keep away from food and luxury stimulants.



15. Regulatory information

Observe the normal safety regulations when handling chemicals. No labelling in accordance with EC Directives.

DIN/EN 71.3: Ink No heavy metals according EN 71 part 3

National Regulations:

U.S.A.: Ink ASTM-D 4236, 30.09.1997

16. Other information

The information is based upon the present knowledge and experience of our suppliers and manufacturers.

The safety data sheet describes products with regard to their safety requirements. The information does not imply quality assurance.

The applicable hygiene and legal regulations are to be observed.

n.d.a. no data available

n.a. not applicable

n.r. not restricted