1. Identification of substance

Trade name: **DEKA-TWINPEN, different shades, nos. 75-04 to 75-90**
Use: **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
e-mail: info@deka-farben.de

2.Hazards identification

The product is not a dangerous preparation on the basis of the data on hand in accordance with the chemical law and EC guidelines.

3. Composition / information on ingredients

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

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 oropharynx with water. Do not induce vomit.**
Inhalation: **Supply fresh air.**
General information: **If complaints continue for a longer time consult doctor or eye doctor.**

5. Fire fighting measures

Suitable fire-extinguisher: **Damp fog, extinguishing foam, carbon dioxide, extinguishing powder, sand**
Unsuitable fire-extinguisher: **Strong jet of water to avoid container damage.**

The pencil, plastic, will feed fire and generate fumes and gases, like carbon monoxide, nitrogen oxides.

**6. Accidental release measures*

Personal precautions: **Avoid eye and skin contact.**
.Environmental precautions: **Do not allow ink to reach sewage system or water bodies.**
Methods of cleaning up: **pick up pencil and dispose in accordance with local regulations.**

7. Handling and storage

Handling: **Ensure fresh air at the workplace like open window, ventilation. Handle the paint with care and appropriate rules (TRGS 500).**
Storage: **Keep container tightly closed. Keep away from food and luxury stimulants. Keep away from heat and frost. VCI store class 11, flammable solids, pencil plastic**

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.**
Protective cloth is for artist work, painting normally not required.
Hands: **n.a.**
Eyes: **n.a.**
Respiration: **n.a.**

9. Physical and chemical properties

Form:	**solid**
Colour:	**different shades**
Odour:	**no**
Melting Point:	**about 0 °C, water**
Vapour pressure:	**23 hPa, water**
Density, 20°C:	**~1,03 g/ml, different shades**
Water solubility:	**soluble, ink of pencil**

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
° preparation, raw materials

**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.
Suggestion for controlled waste disposal: burning.
EWC-no. depends on way of use, suggestions.

	EWC no. 08 01 99	**Rubbish general not mentioned**
Solid waste:	**EWC no. 08 01 12**	**Paint- and varnish rubbish, solid**

14. Transport information

Not dangerous according to ADR.
Keep container 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.

National Regulations:

D: German water regulation: WGK 2 „wassergefährdend“ ink according VwVwS

16. Other information

The applicable and legal regulations are to be observed.
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.

n.d.a. no data available
n.a. not applicable
n.r. not restricted
*** new details**