## *1. Identification of substance*

**Trade name:** **DEKA-Fixative No. 111, No. 50-00 (old: 111)**
**Use:** **Fixative for dying with L**
**textile, dye auxiliaries**
**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, polyamine, water**

## *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 fixative will feed fire after evaporation of water and create fumes and gases, like carbon monoxide, nitrogen oxides. While no special procedures are required for this product, fire-fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.**

## *6. Accidental release measures*

**Personal precautions:** **Avoid eye and skin contact. Do not inhale fixative dust.**
**Environmental precautions:** **Do not allow paint to reach sewage system or water bodies.**
**Methods of cleaning up:** **Absorb fixative with liquid absorbent material like sand, sawdust, and universal binder. Clean up small amounts with cloth and dispose in accordance with local regulations.**

## *7. Handling and storage*

**Handling:** **Ensure fresh air at the workplace like open window, ventilation. Handle the product 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 12, non flammable liquids.**

## *8. Exposure controls and personal protection*

**General:** Avoid eye and skin contact. Ensure fresh air.
**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. Working / protective gloves and apron are useful.
**Hands:** If occasion arises wear protective gloves, rubber, like nitrile, polycloroprene, (CR), PVC; notice information of supplier, also for penetrating times.
**Eyes:** None normally required, if occasion arises wear protective goggles.
**Respiration:** None normally required, if occasion arises wear NIOSH approved mask aerosols, particles, organic, (combination filter: A, B, E, K, P).

## *9. Physical and chemical properties*

| | | |
|---|---|---|
| **Form:** | **liquid** | |
| **Colour:** | **slightly yellow** | |
| **Odour:** | **not characteristic** | |
| **Boiling point:** | **100°C, water** | |
| **Vapour pressure:** | **23hPa** | |
| **Density, 20°C:** | **>1,01 g/ml, d** | |
| **Water solubility:** | **soluble, fully miscible** | |
| **pH-value, 20°C:** | **4,5–7,0** | **20 g/l** |
| **Flash point:** | **> 100°C** | **PMCC** |

## *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*

**LD50° > 4000 mg/kg oral, rat**

### Information from practical use

**Eye contact: May cause moderate irritation and paste up eyelids.**

## *12. Ecological information*

**Biological elimination: 23% Zahn-Wellens**

| | |
|---|---|
| **CSB value:** | **225 mg/g** |
| **BSB 5 value:** | **0 mg/g** |
| **BIAS:** | **0 mg/g** |

**No relevant concentrations of heavy metals and AOX.**

**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 for controlled waste disposal: burning.**
**EWC no. depends on way of use, suggestion: 04 05 12 rubbish of finishing …**

## *14. Transport information*

**Not dangerous according to ADR.**
**Keep tube 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:

**Verordnung brennbarer Flüssigkeiten (VbF): no**
**German water regulation: WGK 2 "wassergefährdend" according VwVwS**

**CH: BAG T No. 33798 toxic class: free / no 1989**

## *16. Other information*

**The used raw materials do not contain constructional, chemical formula, any soluble heavy metals like antimony, arsenic, cadmium, chromium, lead, mercury and selenium . Therefor the fixative is in accordance with EN 71 „ safety of toys" part 3 „migration of special metals".**

**The applicable hygiene 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**