

1. Substance/description of preparation and company

1.1 description of preparation

TFT-LCD cleaner 250 ml DF 1623

1.2 **producer/supplier** Kleinmann GmbH
street / P.O. Box Am Trieb 13 / -
nationality / zip / city D - 72820 Sonnenbühl-Undingen
telephone: 07128/92 92-0
telefax: 07128/92 92 92

1.3 **responsible department:** dept. Chemicals

1.4 **emergency number**
Advice Center for Poisoning Symptoms, Berlin: tel.: 030 / 19240

2. Composition / information on components of preparation

2.1 **general characterisation**
mixture of solvents, and tensides.

2.2 hazardous components

<u>CAS No.</u>	<u>description</u>	<u>weight - %</u>	<u>symbol</u>	<u>R-phrase</u>
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Information according to 648/2004 :
Containst perfume, d-limonen, Phenoxyethanol

3. Possible dangers

3.1 description of dangers:

not apply

special information on danger for people and environment:

not apply

4. First aid measures

4.1 **inhaling**
Supply fresh air

4.2 **eye contact**
Rinse open eyes under running water for various minutes.

4.3 **skin contact**
Wash off with water.

4.4 **swallowing**
Do not provoke vomiting and consult a doctor.
Carry along the Safety data sheet.

5. Firefighting measures

5.1 **suitable extinguishing agents:**
CO₂, spray jetted water.

5.2 **extinguishing agents not suitable for safety reasons:**
Fully jetted water.

5.3 **special dangers caused by the material or the preparation, its combustion product or developing gases:**
gas (unhealthy and irritable) can develop in a fire.

- 5.4 **special protection equipment for firefighting**
No special equipment necessary.
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6. Measures for accidental evolution

see point 8 (limitations of exposition and personal protection equipment) and point 13.

- 6.1 **personal safety measures:**
Not necessary.
- 6.2 **environmental protection measures:**
Do not introduce larger quantities into sewerage system or into waters.
- 6.3 **cleaning methods:**
take up with liquid-absorbing material (sand, infusorial earth, acid binder, universal binder).
- 6.4 **additional information:** -
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7. Storage and handling

- 7.1 **Handling**
Information for safe handling:
No special measures.
- 7.2 **Requirements for storage rooms and containers:**
No special requirements.
Information for materials stored together: No prohibitions concerning materials stored together.
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8. Limitations of exposition and personal protection equipment

- 8.1 **Breathing protection:**
Only wear protective mask in case of regular exposure and inappropriate ventilation.
- 8.2 **hand protection:**
Advisable (use protective skin lotion)
- 8.3 **eye protection:**
advisable
- 8.4 **body protection:**
working - protection - clothes
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9. Physical and chemical properties

- 9.1 **appearance/smell:**
state: liquid
color: transparent
odor: mild
- 9.2 **data relevant for safety**
pH value, undilluted: n.d.a.
pH value, of 1% in water: n.d.a.
- inflammability**
flaming point (°C): > 61°C
ignition temperatur: n.d.a.
spontaneous inflammability (EC A16) n.d.a.
- fire-fostering properties**
density 20°C (g/ml): 1,00
- solubility**
water solubility: mixable
fat solubility: n.d.a.
distribution coefficient n-octanol/water n.d.a. (log pOW)
viscosity, dyn. (mPa x s): n.d.a.
test of separation of solvents (%) n.d..a.
content of solvent (weight.%) n.d.a.

9.3 **additional information**
refraction index: n.d.a.

10. Stability and reactivity

10.1 **conditions to be avoided**
see point 7

10.2 **material to be avoided**
No special

10.3 **hazardous decomposition products:** see point 5.3

10.4 **additional information:** n.av.

11. Information concerning toxicology

acute toxicity: n.d.a.

sensitizing effects: n.d.a.

subacute to chronic toxicity: n.d.a.

cancer-causing effects: n.d.a.

genetically harmful effects: n.d.a.

reproductively harmful effects: : n.d.a.

additional toxicologic information:
Inhaling of concentrated vapors as well as oral taking can lead to narcotic conditions.

11.2 **experience with humans:** n.d.a.

11.3 **additional information:** n.d.a.

12. Information on ecology

ecotoxic effects n.d.a.

behavior in sewage plants: n.d.a.

general information

hazard category for water: WGK 1 (self classification)

self classification according to VCI: -

decomposibility: easy biological decomposition.

13. Information on disposal

13.1 **product:** -

13.2 **recommendation:** comply with regulations of local authorities.

13.4 **for uncleaned packaging:**
safe handling: empty container completely.

14. Transport regulations

14.1 **road- / rail transport (GGVS/ADR / GGVE/RID)**
No dangerous good.

15. Regulations

labeling regulation on hazardous material including EC regulations (67/548/EEC as well as 88/379/EEC)

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national regulations

hazard category for water: WGK 1 (self classification)
comply with limitations of use / limitations of distribution according to § 15 Gef.Stoff-VO.

comply with accident instructions BG: M 017 solvents .“

16. additional information

the information refers to the product in its condition on delivery.

Legend:

n.a. = not applicable / n.av. = not available / n.t. = not tested / n.d.a. = no data available /
n.c.d. = not called differently
VbF = regulation on inflammable liquids
MAK = maximum concentration at workplace in mg/m³ = ppm
WGK = hazard category for water

Kleinmann GmbH

The data listed here is supposed to describe the product with respect to the necessary safety precautions. They do not aim at establishing certain properties, and they are based on the current level of our knowledge. No liability.