

**1. IDENTIFICATION OF PRODUCT AND COMPANY**

Product Code: 20031  
 Product Name: KIWOPRINT TC 2000  
 Company: KISSEL + WOLF GmbH  
 In den Ziegelwiesen 6  
 D-69168 Wiesloch

Phone of the company: +49 6222 578-0  
 Fax of the company : +49 6222 578-100

**Recommended use:**

Adhesive  
 for industrial use only

**2. HAZARD IDENTIFICATION OF THE PREPARATION**

Xn Harmful

10 Flammable.  
 20/21 Harmful by inhalation and in contact with skin.  
 38 Irritating to skin.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture of the below mentioned materials  
 and non-hazardous substances

Hazardous components:

| EINECS-No | Name                       | Hazard % content |           |
|-----------|----------------------------|------------------|-----------|
| CAS-No.   | R-phrases                  |                  |           |
| 215-535-7 | xylene, mixture of isomers |                  |           |
| 1330-20-7 | 10-20/21-38                | Xn               | 25 - 50   |
| 202-849-4 | ethylbenzene               |                  |           |
| 100-41-4  | 11-20                      | Xn, F            | 12.5 - 20 |

For full text of the risk phrases see chapter 16.

**4. FIRST AID MEASURES**

After skin contact, clean thoroughly with soap and water. After eye contact, (remove contact lenses) keep eyelid open, rinse under running water for at least 10 minutes. If irritation continues, seek medical advice. After ingestion, do not induce vomiting - seek medical advice. If unconscious, do not administer anything orally. Place in stable side position and seek medical advice. If breathing is irregular or has stopped, apply artificial respiration.

**5. FIRE-FIGHTING MEASURES**

Block the danger zone, keep out unconcerned persons. If possible without risk, remove container from the burning area or cool with water (danger of bursting due to development of gas).

**Suitable extinguishing media:** Water mist, carbon dioxide, foam. Do not use a direct full water jet, this can spread the fire and cause intense steam or heavy splattering.

**Hazardous combustion products:** When heating up or in the event of fire toxic gases may evolve.

**Environmental protection:** Collect contaminated fire water, do not allow it to enter the drains.

**6. ACCIDENTAL RELEASE MEASURES**

Do not empty into drains. Keep away sources of ignition. Ensure sufficient ventilation. Prevent unauthorized access. Collect with liquid absorbing material and proceed according to local waste disposal regulations.

**7. HANDLING AND STORAGE**

Keep container tightly closed and in a cool and well ventilated place. Ensure adequate ventilation, especially when using a spray-gun. Avoid contact with skin and eyes. Avoid flammable/explosive air/vapour-mixtures and prevent concentrations exceeding the exposure limits.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Occupational exposure limit:**

| EINECS-No. | Name                       | MAK |                      |
|------------|----------------------------|-----|----------------------|
| 215-535-7  | xylene, mixture of isomers | MAK | 100 ppm<br>440 mg/m3 |
| 202-849-4  | ethylbenzene               | MAK | 100 ppm<br>440 mg/m3 |

**Personal Protection**

Wash hands and/or face before breaks and after work. Avoid contact with eyes and skin.

**Eye protection:** Safety glasses with a side-protection (EN 166)

**Hand protection:** Safety gloves resistant to chemicals (EN 374)

Recommendation for splashing contact: Safety index 2, permeation time > 30 mins., e.g. butyl caoutchouc (0,4 mm)

Recommendation for direct contact: Safety index 6, permeation time > 480 mins., e.g. nitrile caoutchouc (0,4 mm)

Note: Due to various factors of influence (e.g. temperature, duration of contact, mechanic strain), in practice, the time of use can be notably shorter than the permeation time determined by tests.

**Respiratory protection:** Vapour concentrations to be minimized by adequate ventilation. Use respiratory filter at increased concentrations: Filter A, brown. Observe limited time of use.

**Body protection:** Solvent resistant, antistatic, flame retardant protective clothes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : liquid  
 Colour: depending on coloration  
 Odour : typical

|                      |   |                        |
|----------------------|---|------------------------|
| Flash point          | : | 25 °C                  |
| Ignition temperature | : | 460 °C                 |
| Density              | : | 0.92 g/cm <sup>3</sup> |
| Viscosity            | : | 2750 mPa·s             |
| Explosion limits     | : | 1.0 - 8.0 Vol. %       |
| Boiling point        | : | 135 °C                 |
| Vapour pressure      | : | 4.06 mbar              |

**10. STABILITY AND REACTIVITY**

Stable under recommended storage and handling conditions (see section 7).

**11. TOXICOLOGICAL INFORMATION**

Repeated or prolonged contact causes local irritation of skin and mucous membranes, particularly the eyes. Inhalation of high concentrations may cause nausea, dizziness, narcotic effect.

**General information:**

The preparation has been estimated by conventional method (EG directive 1999/45/EG) and is classified according to its toxicological properties (see chapters 2 and 15).

**12. ECOLOGICAL INFORMATION**

Do not empty into drains or release into open water. Do not store at public waste disposal sites.

The preparation has been estimated by conventional method (calculating procedure) of EG directive 1999/45/EG) and is classified as non-hazardous for the environment.

**13. WASTE DISPOSAL INFORMATION**

According to European Waste Code Regulations, the waste code is to specify branch and process.

Recommendation : 080409

Empty container : scrap metal recycling or re-conditioning

Soiled container : (treatment like product itself)

**14. TRANSPORT INFORMATION**

**ADR/RID:** Class: Not a class 3 product  
Container > 450 l : class 3

Tremcard: 3

UN number: 1133

Adhesives, containing flammable liquid

Packaging group: III

**IMDG:** Class: n.a.  
3

Tremcard: 3

EMS: n.a.

UN number: n.a.

Transport in accordance with 2.3.2.5 of the IMDG Code.

Marine pollutant: n.a.

Packaging group: n.a.

**15. REGULATORY INFORMATION**

**Labelling (according to 91/155/EEC):**

Xn Harmful

**contains:**

xylene, mixture of isomers

**R-phrases:**

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

**S-phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

**Special labelling :**

n.a.

**National Regulation for Germany**

Water pollution class: 2  
pollutant

**16. OTHER INFORMATION**

Text of risk phrases mentioned in chapter 3:

- 10 Flammable.
- 20/21 Harmful by inhalation and in contact with skin.
- 38 Irritating to skin.
- 11 Highly flammable.
- 20 Harmful by inhalation.

For further information please refer to our technical information sheet. Data in this MSDS correspond with our current level of knowledge, but do not represent any assurance of product properties. The user personally is responsible for compliance with all legal requirements.