# Safety Data Sheet

**according to Regulation (EC) No 1907/2006 (REACH)**

## SECTION 1: Identification of the mixture and of the company/undertaking

### 1.1 Product identifier:

**Article description:** Ink cartridge
**Group number:** 1621,4801

### 1.2. Relevant identified uses of the mixture and uses advised against

This product is a Ink used in printers and copiers.

**Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftmen).

**Appplication of the mixture**
Ink for Inkjet

### 1.3 Details of the supplier of the safety data sheet:

**Manufacturer**:
Name: KMP PrintTechnik AG,
Address: Pfarrer-Findl-Strasse 40, D-84307 Eggenfelden, Germany
E-mail: info@kmp.com

### 1.4 EMERGENCY TELEPHONE NUMBER:

+49 8721 773-60 Mo - Th 8:00 am to 5:00 pm Fr 8:00 am to 2:00 pm

## SECTION 2: Hazards identification

### 2.1. Classification of the mixture:

**Classification according to Regulation (EC) No 1272/2008**
The product is not classified as hazardous according to the CLP regulation.

**Additional information:**
Full text of H- and EUH-phrases: see SECTION 16.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**
**Hazard pictograms** Void
**Signal word** Void
**Hazard statements** Void
**Precautionary statements** Void

### 2.3 Other hazards

Results of PBT and vPvB assessment

**PBT**: Not applicable.
**vPvB**: Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures

**Description of the mixture:** Mixture

**Hazardous ingredients**

| Compound | CAS-Nr. | EG-Nr. | Concentration % | Classification accordin tot he Directive (EG) Nr. 1272 [CLP] |
|---|---|---|---|---|
| 1,5-Pentanediol | 111-29-5 | --- | < 10 | ---- |
| Glycerin | 56-81-5 | 200-289-5 | < 15 | --- |
| Trietylamin | 121-44-8 | 204-469-4 | < 0,3 | Flam.Liq.2 H225<br>Acute Tox. 4, H302,H312, H332 Skin Corr. 1A, H314<br>Spezifscher Konzetrationsgrenzwert:<br>STOT SE3, H335: C ≥ 1% |
| Pigment | Confidential | Confidential | < 30 | --- |
| Water | 7732-18-5 | --- | < 60 | --- |

**Additional information:**
For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:** Take off contaminated clothing.
**After inhalation:** Supply fresh air; consult doctor in case of symptoms.
**After skin contact:** Wash with plenty of soap and water. If skin irritation continues, consult a doctor.
**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
**After swallowing:** Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

### 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

## SECTION 5: Firefighting measures

**5.1 Extinguishing media:**
**Suitable extinguishing agents**

Carbon dioxide ($CO_2$), extinguishing powder or water spray/fog.

**For safety reasons unsuitable extinguishing agents:** none

**5.2 Special hazards arising from the substance or mixture:**

No further relevant information available.

**5.3 Advice for fire-fighters**

**Protective equipment:** No further relevant information available.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Do not breath the vapors. Avoid contact with skin and eyes.

**6.2 Environmental precautions:** Do not allow the ink to reach sewage system or water bodies

**6.2 Methods and material for containment and cleaning up**

Collect mechanically. Dispose of the material collected according to regulations.

**6.4 Reference to other sections**

See Section 7 for information on safe handling and storage
See Section 8 for information on personal protection equipment.
See Sectin 13 for information on waste disposal.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

Keep out of the reach of children. Keep away from excessive heat and protect from direct Sun light. Avoid long contact with the skin. Avoid contact with the eyes.

**Information about protection against explosions and fires:** Keep away form sources of ignition, don't inhale the vapours.

**7.2 Conditions for safe storage, including any incompatibilities**

Store between +5 °C and +35°C. Protect from light.

**Requirements to be met by storerooms and containers:** Observe all local and national regulations for storage of water polluting products.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

**7.3 Specific end uses:** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Components with critical values that require monitoring at the workplace:**

The Product does not contain substances with explosion limit in the work place**.**

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures**

Keep away from foodstuffs, beverages and food; Avoid close or long term contact with the skin; Avoid contact with the eyes; Wash hands during breaks and at the end of the work.

**Eye protection:** not available
**Breathing equipment:** Not available
**Protection of hands:** Not available
**Special protection equipment:** not available.
**Thermal danger:** Not available
**Hygenic measure:** Wash hands before a breack or at the end of the working day.

## SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

**Appearance:**
**Form:** Liquid
**Colour:** Black
**Smell:** odourless
**Odour threshold:** not determined

| | |
|---|---|
| **pH** | 7 -10 |
| **Melting point/range** | not determined |
| **Boiling point/range** | not determined |
| **Flash point** | not applicable |
| **Evaporation rate** | not determined |
| **Flammability (solid, gas)** | not classified as flammable solid |
| **Critical values for explosion:**<br>**Upper explosive limits**<br>**Lower explosive limits** | <br>not determined<br>not determined |
| **Vapour pressure** | not determined |
| **Vapour density** | not determined |
| **Relative density** | not determined |
| **Solubility(ies)** | insoluble |
| **Partition coefficient: n-octanol/water** | not determined |
| **Auto-ignition temperature** | not determined |
| **Decomposition temperature** | not determined |
| **Viscosity**<br>**Viscosity, dynamic**<br>**Viscosity, cinematic** | <br>not determined<br>not determined |

| | |
|---|---|
| **Explosive properties** | The product is not explosive |

**9.2 Other information:**

No further relevant information available.

## SECTION 10: Stability and reactivity

**10.1 Reactivity:** Not reactive

**10.2 Chemical stability**
**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:** none

**10.4 Conditions to avoid:** Too high or too low temperatures.

**10.5 Incompatible materials:** none

**10.6 Hazardous decomposition products:** No further relevant information available.

## SECTION 11: Toxicological information

**11.1 Information on toxicological effects**

**Acute toxicity:** Based on the available data, the classification criteria of the Directive 1999/45/EC are not met.

**Primary irritant effect:**
**Skin corrosion/irritation**
Based on the available data, the classification criteria of the Directive 1999/45/EC are not met.
**Serious eye damage/irritation**
Based on the available data, the classification criteria of the Directive 1999/45/EC are not met.
**Respiratory or skin sensitisation**
Based on the available data, the classification criteria of the Directive 1999/45/EC are not met.
**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
**Mutagenicity** Based on available data, the classification criteria are not met.
**Carcinogenicity** Based on available data, the classification criteria are not met.
**Reproductive toxicity** Based on available data, the classification criteria are not met.
**STOT-single exposure** Based on available data, the classification criteria are not met.
**STOT-repeated exposure** Based on available data, the classification criteria are not met.
**Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

**12.1 Toxicity:**
**Acquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability:** No further relevant information available.

**12.3 Bioaccumulative potential:** No further relevant information available.

**12.4 Mobility in soil:** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**
**PBT:** Not applicable.
**vPvB:** Not applicable.

**12.6 Other adverse effects:** No further relevant information available.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
**Recommendation**
Do not release in the seware system. Dispose accordingly to national and local directives.

## SECTION 14: Transport information

**14.1 UN-Number ADR, IMDG, IATA** Void

**14.2 UN proper shipping name ADR, IMDG, IATA** Void

**14.3 Transport hazard class(es) ADR, IMDG, IATA Class** Void

**14.4 Packing group ADR, IMDG, IATA** Void

**14.6 Special precautions for user** Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
**Transport/Additional information:** Not dangerous according to the above specifications.

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the mixture**

**Directive 2012/18/EU**
Not classified.

**15.2 Chemical Safety Assessment:**

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**H- Frases**
H225: Highly flammable liquid and vapour.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H332: Harmful if inhaled.
H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

**Abbreviations and acronyms:**
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
AF Overall assessment factor