

Ink Post Red

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1. Identification of the substance/preparation and of the company/undertaking

Product group : Ink

Identification of the substance or preparation**Ink Post Red****Use of the substance/preparation**

Inkjet printing

Company/undertaking identification

Company name : Francotyp-Postalia GmbH
 Street : Triftweg 21-26
 Place : D-16547 Birkenwerder
 Telephone : +49 - 3303 /525-0
 Telefax : +49 - 3303 /525-689
 e-mail : info@francotyp.com

Inquiry office : IFZ Ingenieurbüro und Consulting GmbH
 Telephone: +49 - 30 / 29373-435
 Telefax: +49 - 30 / 29373-436

Emergency telephone : **Internationale Hotline: +49 6131 / 19240****Further Information**

Apply Safety data sheet to the following products:

Part-No.
 58.0038.3186.00
 58.0038.3189.00
 58.0038.3172.00
 58.0032.0021.00
 58.0033.3139.00

2. Composition/information on ingredients**Chemical characterization (preparation)**

Aqueous solution of chemicals

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
210-483-1	616-45-5	2-Pyrrolidone	< 5 %	Xi R36/38
203-989-9	112-60-7	Tetraethylene glycol	< 5 %	Xi R36/37/38
*	*	Alkyldiol ethoxylate	< 2,5 %	Xn, Xi R20/21-38-41

Full text of each relevant R phrase can be found in heading 16.

Further Information

* = proprietary

This ink supply contains an aqueous ink formulation.

3. Hazards identification**Explication of special hazards for human health and environment**

The product does not need to be labelled in accordance with EC directives or respective national laws. Repeated or prolonged exposure may cause irritation of eyes and skin. See section 11

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4. First aid measures**General information**

If symptoms persist, call a physician. Never give anything by mouth to an unconscious person.

After inhalation

Move out of dangerous area. Move to fresh air. Lay the affected person down, and keep her or him warm and calm. If symptoms persist, call a physician.

After contact with skin

Take off contaminated clothing and shoes immediately. Wash contaminated skin areas thoroughly with soap and water. Do not use solvents or thinners. If symptoms persist, call a physician.

After contact with eyes

Remove contact lenses, if applicable. Rinse with plenty of water immediately, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. Lay the affected person down, and keep her or him warm and calm.

5. Fire-fighting measures**Suitable extinguishing media**

carbon dioxide (CO₂), foam, dry powder, water spray.
Water mist may be used to cool closed containers.

Extinguishing media which must not be used for safety reasons

None known.

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

Under conditions giving incomplete combustion, hazardous gases produced may consist of : nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂), various hydrocarbons

Additional information

Prevent extinguishing water used by the fire department, or any other forms of the diluted product, from ending up in surface water or drinking water reservoirs. Do not let product enter drains.

6. Accidental release measures**Personal precautions**

Provide adequate ventilation. Do not breathe in vapours. Use personal protective equipment.

Environmental precautions

Contact the responsible authority immediately if the product ends up in the soil, a body of water, or the sewer system.

Methods for cleaning up/taking up

Do not let product enter drains. Spilled or leaking material is to be soaked up with non-flammable absorbent materials (sand, soil, diatomaceous earth) and put in containers. Dispose of as described in chapter 13.

Additional information

See also section 7, 8.

7. Handling and storage**Handling****Advice on safe handling**

Keep container tightly closed. Avoid contact with skin and eyes. When using, do not eat, drink, or

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smoke. Wash hands before breaks and at the end of the workday. Keep out of the reach of children.

Storage

Requirements for storage rooms and vessels

Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from heat and sources of ignition.

Advice on storage compatibility

Store separately from: oxidizing agents, strong bases

8. Exposure controls/personal protection

Exposure limit values

Exposure controls

Protective and hygiene measures

Do not eat, drink, smoke or take snuff at work. Avoid contact with skin and eyes. Wash hands before breaks and at the end of the workday. Apply lotion to hands afterwards. Take off all contaminated clothing immediately. Remove and wash contaminated clothing before re-use. Use only in well-ventilated areas.

Eye protection

In case of risk of splashing, wear protective glasses.

9. Physical and chemical properties

General information

Physical state : liquid

Colour : red

Important health, safety and environmental information

	Test method
pH-Value :	7,7 - 8,5
Changes in the physical state	
Boiling point :	n.d.
Flash point :	> 93 °C P/M Pensky-Martens
Flammability	
Solid :	n.d.a.
Gas :	n.d.a.
Lower explosion limits :	
Upper explosion limits :	
Vapour pressure :	n.d.
Density :	1 -1,2 g/cm ³
Water solubility :	miscible
Viscosity / dynamic :	< 2 mPa·s
Vapour density :	> 1

Other information

Auto-ignition temperature

 Solid : n.d.a.

 Gas : n.d.a.

Ignition temperature : n.d.

10. Stability and reactivity

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Conditions to avoid

Stable at normal conditions. See section 7.

Materials to avoid

Incompatible with strong bases and oxidizing agents.

Hazardous decomposition productsThe release of the following substances is possible in a fire: nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂), various hydrocarbons**11. Toxicological information****Acute toxicity**

No data is available on the product itself.

2-Pyrrolidone : LD50/oral/rat: > 3200 mg/kg

Tetraethylene glycol: LD50/oral/rat: 34,8 g/kg

Corrosive and irritant effects

May cause eye/skin irritation.

2-Pyrrolidone: May cause eye/skin irritation. irritation of the respiratory tract

Alkyldiol ethoxylate: May cause eye/skin irritation. irritation of the respiratory tract

Tetraethylene glycol: May cause eye/skin irritation. irritation of the respiratory tract

Ingestion

2-Pyrrolidone: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Alkyldiol ethoxylate: Ingestion may cause irritation of mouth and throat. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Sensitising effects

None known.

Carcinogenic/mutagenic/toxic effects for reproduction

None known.

12. Ecological information**Ecotoxicity**

LC50/96h/Fathead minnows: >= 750 mg/L.

13. Disposal considerations**Advice on disposal**

Do not let product enter drains. Disposal in accordance with the official regulations.

14. Transport information**Further Information**

Not classified as dangerous in the regarding of transport regulations.

15. Regulatory information**Labelling**

Labelling according to EC-guidelines : The product does not need to be labelled in accordance with EC directives or respective national laws.

S phrases

02 Keep out of the reach of children.

23 Do not breathe vapour.

National regulations

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1999/13/EC (VOC) :

VOC value (g/l): < 3

16. Other information

Full text of R-phrases referred to under sections 2 and 3

- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.
- 20/21 Harmful by inhalation and in contact with skin.
- 36/38 Irritating to eyes and skin.
- 36/37/38 Irritating to eyes, respiratory system and skin.

Other data

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The product is to be used exclusively for the applications named in the technical leaflet or in the processing instructions.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

n.a. = not applicable

n.d. = not determined

n.d.a. = No data available.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)