

Francotyp-Postalia GmbH
Material Safety Data Sheet

according to ANSI Z400.1-2004



Inkjet Cartridge Red Fluorescent

Print date: 04.01.2012

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1. Product and Company Identification

Product group : Ink

Commercial product name

Inkjet Cartridge Red Fluorescent

Use of the substance/mixture

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 /525-799
e-mail : info@francotyp.com

Responsible Department : IFZ Ingenieurbüro und Consulting GmbH
Telephone: +49 - 30 / 2904897-10
Telefax: +49 - 30 / 2904897-20

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

Further Information

Apply Safety data sheet to the following products:

Part-No.
58.0032.0022.00
58.0033.3138.00
58.0038.3187.00
58.0038.3190.00
58.0038.3171.00
58.0038.3173.00
58.0052.3028.00
58.0052.3038.00

2. Hazards Identification

Route(s) of Entry

Ingestion. Skin contact. Eye contact.

Signs and Symptoms of Exposure

Ink: Any potential hazards are presumed to be due to exposure to the components. Repeated or prolonged exposure may cause irritation of eyes and skin.

Carcinogenicity (NTP) : None of the ingredients is listed.

Carcinogenicity (IARC) : None of the ingredients is listed.

Carcinogenicity (OSHA) : None of the ingredients is listed.

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

3. Composition/Information on Ingredients

Chemical characterization (Mixture)

Aqueous solution of chemicals

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Hazardous components

CAS No	Components	Quantity
616-45-5	2-pyrrolidone	< 5 %
112-60-7	tetraethylene glycol	< 5 %
*	alkyldiol ethoxylate	< 2,5 %

Further Information

* = proprietary

This ink supply contains an aqueous ink formulation.

4. First Aid Measures

General information

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

After inhalation

Ink: Move out of dangerous area. Move to fresh air. If symptoms persist, call a physician.

After contact with skin

Ink: 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

Ink: 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

Ink: If swallowed, seek medical advice immediately and show this container or label.

5. Fire Fighting Measures

Suitable extinguishing media

Carbon dioxide (CO₂), foam, dry powder, water spray.

Water mist may be used to cool closed containers.

Unsuitable extinguishing media

None known.

Special hazards arising from the chemical

Under conditions giving incomplete combustion, hazardous gases produced may consist of: Carbon dioxide, nitrogen oxides (NO_x), carbon monoxide (CO), 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 vapors. 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.



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Additional information

See section 7, 8.

7. Handling and Storage

Handling

Advice on safe handling

Keep container tightly closed. Protect against extreme heat or cold weather. Avoid contact with skin and eyes. When using, do not eat, drink, or 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: Strong bases

8. Exposure Controls/Personal Protection

Exposure limit values

Additional advice on limit values

Not applicable

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.

Respiratory protection

Not applicable

Hand protection

Ink: Protective gloves

Eye protection

In case of risk of splashing, wear protective glasses.

9. Physical and Chemical Properties

Appearance

Physical state : liquid

Color : red

Important health, safety and environmental information

	Test method
pH-Value :	8 - 8,8
Changes in the physical state	
Boiling point :	n.d.
Flash point :	> 200 °F / > 93 °C P/M Pensky-Martens
Flammability	
Solid :	n.d.a.
Gas :	n.d.a.
Lower explosion limits :	



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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

Autoignition temperature	
Solid :	n.d.a.
Gas :	n.d.a.
Ignition temperature :	n.d.

10. Stability and Reactivity

Stability

Stable

Conditions to avoid

Stable at normal conditions. See section 7.

Materials to avoid

Incompatible with strong bases and oxidizing agents.

Hazardous decomposition products

See section 5.

Possibility of hazardous reactions

Will not occur

11. Toxicological information

Acute toxicity

No data is available on the product itself.
2-Pyrrolidone: LD50/oral/rat: > 3200 mg/kg (literature value)
Tetraethylene glycol: LD50/oral/rat: 34,8 g/kg (literature value)

Specific effects in experiment on an animal

None known.

Irritation and corrosivity

Any potential hazards are presumed to be due to exposure to the components. Repeated or prolonged exposure may cause irritation of eyes and skin.

Skin contact:

2-Pyrrolidone: May cause skin irritation.
Alkyldiol ethoxylate: May cause skin severe irritation.
Tetraethylene glycol: May cause skin irritation.

Eye contact

2-Pyrrolidone: Contact with eyes may result in irritation.
Tetraethylene glycol: Contact with eyes may result in irritation.
Alkyldiol ethoxylate: Contact can cause moderate to severe irritation and possible injury to the eyes.

Inhalation

2-Pyrrolidone: Inhalation may result in respiratory irritation.
Alkyldiol ethoxylate: Inhalation may result in respiratory irritation.

Ingestion

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



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Alkyldiol ethoxylate: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sensitizing effects

None known.

Carcinogenic/mutagenic/toxic effects for reproduction

None known.

12. Ecological Information

Ecotoxicity

LC50/96h/Fathead minnows: \geq 750 mg/L.

Mobility

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Further information

In the case of appropriate handling and use no ecological problems are to be expected.

13. Disposal considerations

Advice on disposal

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

14. Transport Information

Land transport (ADR/RID)

Other applicable information

Not classified as dangerous regarding transport regulations.

Marine transport

Other applicable information

Not classified as dangerous regarding transport regulations.

Air transport

Other applicable information

Not classified as dangerous regarding transport regulations.

15. Regulatory Information

U.S. regulations

National inventory TSCA

SARA 302 (extremely hazardous substances):
None of the ingredients is listed.

SARA 313 (specific toxic chemical listings):
None of the ingredients is listed.

State regulations

Pennsylvania
616-45-5

Massachusetts
616-45-5

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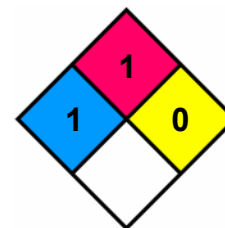
16. Other Information

Hazardous Materials Information label (HMIS)

Health : 1
Flammability : 1
Physical Hazard : 0

NFPA hazard ratings

Health : 1
Flammability : 1
Reactivity : 0
Unique Hazard :



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.

Changes

Sections which have been changed in comparison to the preceding edition: 1, 4, 7, 8, 10, 12, 14

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