

Francotyp-Postalia GmbH  
**Material Safety Data Sheet**

according to ANSI Z400.1-2004



**Post Fluorescent Red**

Print date : 03.07.2008

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**1. Product and Company Identification**

**Commercial product name**

**Post Fluorescent Red**

**Use of the substance/preparation**

Inkjet printing

**Information manufacturer / supplier**

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  
  
Inquiry office : 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.  
58.0038.3187.00  
58.0038.3190.00  
58.0038.3171.00  
58.0038.3173.00  
58.0032.0022.00  
58.0033.3138.00

**2. Hazards Identification**

**Route(s) of Entry**

Ingestion. Skin contact. Eye contact.

**Signs and Symptoms of Exposure**

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

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 ( preparation )**

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**

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 (CO<sub>2</sub>), 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 : nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), 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 also 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: 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

### Appearance

Form : liquid  
Color : red

### Important health, safety and environmental information

	Test method
pH-Value :	8 - 8,8
<b>Changes in the physical state</b>	
Boiling point :	n.d.
Flash point :	> 200 °F / > 93 °C P/M Pensky-Martens
<b>Flammability</b>	
Solid :	n.d.a.
Gas :	n.d.a.
Lower explosion limits :	
Upper explosion limits :	
Vapour pressure :	n.d.
Density :	1 -1,2 g/cm <sup>3</sup>
Water solubility :	miscible
Viscosity / dynamic :	< 2 mPa·s
Vapour density :	> 1

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**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**

The release of the following substances is possible in a fire: nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), various hydrocarbons

**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.

**Corrosive and irritant effects**

Repeated or prolonged exposure may cause irritation of eyes and skin.

Any potential hazards are presumed to be due to exposure to the components.

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.

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

**Sensitising effects**

None known.

**Carcinogenic/mutagenic/toxic effects for reproduction**

None known.

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**12. Ecological Information**

**Ecotoxicity**

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

**Mobility**

not determined

**Persistence and degradability**

not determined

**Bioaccumulative potential**

not determined

**Other adverse effects**

not determined

**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 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

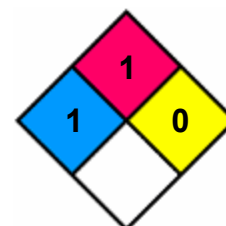
**16. Other Information**

**Hazardous Materials Information label (HMIS)**

Health : 1  
Flammability : 1  
Physical Hazard : 0

**NFPA hazard ratings**

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



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**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.

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