

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Inkjet Cartridge Red Fluorescent**

Print date: 16.03.2016

Product code: PostRedF20ml\_US

Page 1 of 7

**1. Identification****Product identifier**

Inkjet Cartridge Red Fluorescent

Product group: Ink

**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**

Inkjet printing

**Details of the supplier of the safety data sheet**

Company name:	Francotyp-Postalia GmbH	
Street:	Prenzlauer Promenade 28	
Place:	D-13089 Berlin	
Telephone:	+49 - 30 / 220660-0	Telefax: +49 - 30 /220 660-122
e-mail:	info@francotyp.com	
Responsible Department:	IFZ Ingenieurbüro und Consulting GmbH	
	Telephone: +49 - 30 / 2904897-10	
	Telefax: +49 - 30 / 2904897-20	

**Emergency phone number:** +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

58.0052.3048.00

58.0053.3028.00

58.0053.3038.00

58.0053.3048.00

58.0055.3171.00

58.0055.3173.00

58.0055.3190.00

58.0055.3311.00

**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

This mixture is not classified as hazardous according to Regulation 29 CFR 1910.1200(d).

**Label elements****Hazards not otherwise classified**

No data available.

**3. Composition/information on ingredients****Mixtures****Chemical characterization**

Aqueous solution of chemicals

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Inkjet Cartridge Red Fluorescent**

Print date: 16.03.2016

Product code: PostRedF20ml\_US

Page 2 of 7

**Hazardous components**

CAS No	Components	Quantity
7732-18-5	Water	80 %
616-45-5	2-Pyrrolidon	< 5 %
*	alkyldiol ethoxylate	< 2,5 %

**Further Information**

\* = proprietary

This ink supply contains an aqueous ink formulation.

**4. First-aid measures****Description of first aid measures****General information**

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

**After inhalation**

Not applicable for unbroken cartridges.

Ink: 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**

Not applicable for intact article.

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**

Not applicable for intact article.

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**

Not applicable for intact article.

Ink: 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.

**Most important symptoms and effects, both acute and delayed**

Not applicable for intact article.

Ink: Irritating to eyes. Any potential hazards are presumed to be due to exposure to the components. May cause skin irritation.

**Indication of any immediate medical attention and special treatment needed**

No data available.

**5. Fire-fighting measures****Extinguishing media****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.

**Specific hazards arising from the chemical**Under conditions giving incomplete combustion, hazardous gases produced may consist of: Carbon dioxide, nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), various hydrocarbons**Special protective equipment and precautions for fire-fighters**

In the event of fire, wear self-contained breathing apparatus (NIOSH).



## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### Inkjet Cartridge Red Fluorescent

Print date: 16.03.2016

Product code: PostRedF20ml\_US

Page 3 of 7

#### 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, protective equipment and emergency procedures

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 and material for containment and cleaning 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 section 13.

#### Reference to other sections

See section 7, 8.

## 7. Handling and storage

#### Precautions for safe 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.

##### Advice on protection against fire and explosion

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.

#### Conditions for safe storage, including any incompatibilities

##### 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

#### Control parameters

##### 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.

##### Eye/face protection

In case of risk of splashing, wear protective glasses.

##### Hand protection

Ink: Protective gloves

##### Skin protection

Wear protective clothing, in order to avoid eye and skin contact as far as possible.

##### Respiratory protection

Not applicable

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Inkjet Cartridge Red Fluorescent**

Print date: 16.03.2016

Product code: PostRedF20ml\_US

Page 4 of 7

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state: liquid  
Color: red

**Test method**

pH-Value: 8 - 8,8

**Changes in the physical state**

Initial boiling point and boiling range: n.d.

Flash point: > 200 °F / > 93 °C P/M Pensky-Martens

Lower explosion limits:

Upper explosion limits:

Ignition temperature: n.d.

Vapor pressure: n.d.

Density: 1 - 1,2 g/cm<sup>3</sup>

Water solubility: miscible

**Other information**

No data available.

**10. Stability and reactivity****Reactivity**

No data available.

**Chemical stability**

Stability: Stable

Stable at normal conditions.

**Possibility of hazardous reactions**

Hazardous reactions: Will not occur

No data available.

**Conditions to avoid**

Stable at normal conditions. See section 7.

**Incompatible materials**

Incompatible with strong bases and oxidizing agents.

**Hazardous decomposition products**

See section 5.2.

**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Ingestion. Skin contact. Eye contact.

**Acute toxicity**

No data is available on the product itself.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Inkjet Cartridge Red Fluorescent**

Print date: 16.03.2016

Product code: PostRedF20ml\_US

Page 5 of 7

CAS No	Components			
	Exposure route	Dose	Species	Source
616-45-5	2-Pyrrolidon			
	oral	LD50 6500 mg/kg	rats	IUCLID
	dermal	LD50 >2000 mg/kg	rabbit	
*	alkyldiol ethoxylate			
	oral	ATE 500 mg/kg		
	dermal	ATE 1100 mg/kg		

**Irritation and corrosivity**

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.

Eye contact

2-Pyrrolidone: 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.

**Sensitizing effects**

None known.

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

None known.

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

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

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

**12. Ecological information****Ecotoxicity**

LC50 (96h) Pimephales promelas: > 750 mg/l

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data is available on the product itself.

**Mobility in soil**

No data is available on the product itself.

**Other adverse effects**

No data available.

**Further information**

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

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Inkjet Cartridge Red Fluorescent**

Print date: 16.03.2016

Product code: PostRedF20ml\_US

Page 6 of 7

**13. Disposal considerations****Waste treatment methods****Advice on disposal**

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

**14. Transport information****Marine transport (IMDG)****UN number:** not regulated**UN proper shipping name:** not regulated**Transport hazard class(es):** not regulated**Other applicable information**

Not classified as dangerous regarding transport regulations.

**Air transport (ICAO)****UN number:** not restricted**UN proper shipping name:** not restricted**Transport hazard class(es):** not restricted**Other applicable information**

Not classified as dangerous regarding transport regulations.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**Special precautions for user**

Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**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.

**National regulatory information**

SARA Section 311/312 Hazards:

2-Pyrrolidon (616-45-5): Immediate (acute) health hazard

alkyldiol ethoxylate (\*): Immediate (acute) health hazard

**State Regulations****Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**Additional information**

Pennsylvania

616-45-5

**16. Other information**

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Inkjet Cartridge Red Fluorescent**

Print date: 16.03.2016

Product code: PostRedF20ml\_US

Page 7 of 7

**Hazardous Materials Information Label (HMIS)**

Health: 1  
Flammability: 1  
Physical Hazard: 0

**NFPA Hazard Ratings**

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



Revision date: 16.03.2016  
Revision No: 1,00

**Abbreviations and acronyms**

n.a. = not applicable  
n.d. = not determined  
n.d.a. = No data available.

**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.

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