

**MSDS**  
**MATERIAL SAFETY DATA SHEET**

<b>COPY FLUO INKS</b>
<b>PF5920 Orange</b>
<b>QUICK IDENTIFIER</b>

**PRODUCERS**  
**SUPPLIERS**  
**WAREHOUSERS**


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**SECTION I – GENERAL INFORMATION**

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**MANUFACTURER NAME: Dokumental GmbH & Co. Schreibfarben**

**Factory ludwigshafen**

Woellnerstrabe 26,D-67065 Ludwigshafen

Telephone: 0049-621-5402-332

Telefax: 0049-621-5402-391

**Factory Mittenwald**

Innsbrucker Str. 35, D-82481

Mittenwald

Telephone: 0049-8823-9202-0

Telefax: 0049-8823-3820

**Date:** 8-Apr-04    **Prepared by** W. Windorfer (Factory Mittenwald)

**SECTION II – HAZARDOUS INGREDIENTS (Specify components)**

CAS-no.	substance	conc. range %	classification (EU)
107-21-1	Etandiole	<< 25 %	( If > 25 %:Xn-R22)

ASTM D-4236 approved: yes

Transport Info: UN-No.: N/A. Prop. Shipping Name: No Dangerous Goods

IMDG-CODE Class: N/A/. MFAG: N/A. EMS No.: N/A.

ICAO/IATA Class: N/A. Packaging Group: N/A.

**SECTION III PHYS. / CHEM. CHARACTERISTICS (SPECIFY COMPONENT)/**

**Appearance:** liquid

**Odour:** typical

<b>Boiling Point (°C):</b> $\cong$ 100	<b>Density (g/ml):</b> +/- 0.02    1.02
<b>Vapour Density(Air=1):</b> > 1	<b>Melting Point (°C):</b> <0
<b>Solubility in Water:</b> miscible	<b>Evaporation Rate(Butylacetate=1)</b> >1
<b>Pressurised:</b> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> X	<b>% Volatile<sup>(4)</sup></b> 86

**Other characteristics:** aqueous dispersion of polyhydric alcohol,  
pigments and additives

**SECTION IV – FIRE AND EXPLOSION HAZARDS**

<b>Flashp. °C (Method used):</b> > 100	<b>Explosion Limits(Vol%)</b>	<b>LEL n.a.</b>	<b>UEL n.a.</b>
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**Extinguishing Media:** N/A

**Special Fire Fighting Precautions:** cool closed containers exposed to fire with water; **do not use waterjet** autoignition temperature (°C) : N/A.

**List of Hazardous Decomp. Products:** carbon monoxide and dioxide, smoke, and oxides of nitrogen after evaporation of water

**Other Advice:** none

#### SECTION V – STORAGE HAZARDS

**Stability: Unstable: Stable: X** **Conditions to Avoid:** avoid heating above 60°C **Incompatibility (Material to avoid):** concentrated oxidising or reducing agents

**Hazardous Decomposition Products:** no hazardous decomposition products known

**Hazardous Polymerisation May Occur** **Will Not Occur** X

**Conditions To Avoid:** none

#### SECTION VI – HEALTH HAZARDS

1. **Acute<sup>(5)</sup>:** > 5000 mg/kg 2. **Chronic<sup>(5)</sup>:** n.d.

**Signs and Symptoms of Overexposure:** n.d.

**Medical Cond. Generally Aggravated:** n.d.

**Chem. Listed as Carcinogenes:** none of the used chemicals are known to be carcinogenes

#### EMERGENCY AND FIRST AID PROCEDURES

Routes of Entry	First Aid Procedures	Seek Medical Advice
<b>Inhalation</b>	n.a.	
<b>Eyes</b>	rinse with plenty of clean and fresh water in case of remaining irritation seek for medical advice	X
<b>Skin</b>	remove moistened clothing, wash with soap and water, <b>do not use solvents or thinners!!</b>	X
<b>Ingestion</b>	If accidentally swallowed obtain immediate medical attention. Keep at rest <b>Do not induce vomiting</b>	X

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**SECTION VII – SPECIAL PRECAUTIONS**

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**Special Precautions to be Taken in Handling:** keep containers tightly closed,

protect drums from the influence of weather.

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**Other Precautions:** Product should not get untreated into waters

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**Steps to be Taken in Case Material is Released or Spilled:** absorb with appropriate liquid binding material and dispose off according to local regulations

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**Waste Disposal Methods:** burn in a licensed incinerator,treat in a biological clarification plant; product may not get untreated into waters

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**SECTION VIII – SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

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**Respiratory Protection:** not necessary,good room ventilation is sufficient

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**Ventilation:**                      **Local Exhaust:**                      **Mechanical:** not necessary                      **Other:**

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**Skin and Eye Protection:** rubber or plastic gloves,protective galsses

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**Work/Hygienic Practices:** pay attention to the usual rules for handling chemicals

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**Note:** The information given in this MSDS is based on our present state of knowledge and is no assurance of properties of our products. Existing laws and regulations have to be obeyed by the purchaser himself.The product shall not be used for purposes other than it is assigned for without the consent of the producer.