

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

**Product name** : 70000-00031 Ink  
**Use of the substance/preparation:** Ink for industrial ink jet printers (CIJ-printers)  
**Supplier** : Paul Leibinger GmbH & Co. KG  
 Daimlerstr. 14  
 78532 Tuttlingen  
 Germany  
 Phone: +49 7461 92 86-0 Fax: +49 7461 92 86-199

### 2. Hazards Identification

This Produkt is dangerous within the meaning of Directives 67/548/EEC and/or 1999/45/EC.

**Classification according to Directives 67/548/EEC and 1999/45/EC:**

- R11 Highly flammable
- R36 Irritating to eyes
- R66 Repeated exposure may cause skin dryness or cracking
- R67 Vapours may cause drowsiness and dizziness
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Highly flammable liquid.

### 3. Composition / information on ingredients

This product is a preparation within the meaning of REACH regulation (EC) no. 1907/2006.

**General chemical characterisation:**

Preparation(s) containing dyestuffs, nitrocellulose, solvents

**Dangerous components pursuant to REACH-Directive 67/548/EEC:**

Name of substance	CAS-No.	EC-No.	[Wt.-%]	Symbol of danger	R-Phrase
Butanone	78-93-3	201-159-0	70-80	Xi, F	11,36,66,67
Mixture of: Tert-alkyl(C12-C14)ammonium-bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromat(1-) Tert-alkyl(C12-C14)ammonium-bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromat(1-) Tert-alkyl(C12-C14)ammonium-bis[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-chromat(1-) Tert-alkyl(C12-C14)ammonium-[[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromat(1-) Tert-alkyl(C12-C14)ammonium-[[1-[[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]azo]-2-naphthalenolato(2-)]-1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphthalenolato(2-)]-chromat(1-) C12-14-tert-Alkylammonium((1-(4(oder 5)-nitro-2-oxidophenylazo)-2-naphtholato)(1-(3-nitro-2-oxido-5-pentylphenylazo)-2-naphtholato))chromat(1-)	117527-94-3	403-720-7	5-10	N	51-53
Cellulosenitrate <12,6%N	9004-70-0	-	5-10	F	11

Full text of R phrases see heading 16.

## 4. First aid measures

**Eye contact:** Rinse thoroughly with plenty of water and seek medical advice.  
**Skin contact:** Wash with water and soap. Do not use solvents.  
**Ingestion:** Wash out mouth with water and seek medical advice.  
**Inhalation:** Fresh air; in case of permanent troubles seek medical advice.

## 5. Fire-fighting measures

**Extinguishing media:** Powder, carbon dioxide, water spray jet, foam  
**Hazardous decomposition products:** Carbon monoxide, carbon dioxide, nitrogen oxides in case of burning

## 6. Accidental release measures

Cover with absorbent material; collect for disposal in a safe way.  
Ensure good ventilation; remove all sources of ignition.

## 7. Handling and storage

### 7.1 Handling

Take precautionary measures against static discharges  
When using do not eat, drink or smoke  
Avoid contact with skin and eyes

### 7.2 Storage

Keep away all sources of ignition, open flame and heat.  
Keep container tightly closed  
Protect from frost and extreme heat.

### 7.3 Specific use(s)

## 8. Exposure controls / personal protection

### 8.1 Exposure limit values:

CAS-Nr	Name of substance	Kind of TLV	Value	Year	Country
78-93-3	Butanone	TLV	200 [ml/m <sup>3</sup> ]	2000	EU

### 8.2 Exposure controls

Eye protection: Safety glasses  
Hand protection: Rubber gloves  
Respiratory protection: In case of insufficient ventilation recommended.

## 9. Physical and chemical properties

### 9.1 General information

Physical state: liquid  
Colour: black  
Odour: ketonelike

## 9.2 Important health, safety and environmental information

Boiling range: >= 80 °C  
Melting range: n.a.  
Relative density: ~0,9 g/cm<sup>3</sup>  
Vapour pressure: <= 105 hPa  
Viscosity: 6,0 mPas  
pH: n.a.  
Flash point: -7,6 °C  
Autoignition temperature: 500 °C  
Explosion limit, lower: 1,8 %vol  
Explosion limit, upper: 11,5 %vol  
Water solubility: partially miscible

## 9.3 Other informations

### 10. Stability and reactivity

#### 10.1 Conditions to avoid

Thermal decomposition: Not to be expected in the intended use.

#### 10.2 Materials to avoid

Conditions and materials to avoid: Strong oxidizers

#### 10.3 Hazardous decomposition products

Hazardous decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides in case of burning

### 11. Toxicological information

Irritating to eyes  
Repeated exposure may cause skin dryness or cracking  
Vapours may cause drowsiness and dizziness

### 12. Ecological information

Do not dispose into drains or aquatic environment.  
Water hazard class (Germany): 2 - Hazard for water (self classification)

### 13. Disposal considerations

If recycling is not possible, dispose in a special waste incinerator. Observe all state, federal and local regulations.  
Recommended waste key: 08 03 02, waste ink free of halogenated solvents

### 14. Transport information

#### Way of transportation:

RID/ADR (road/rail): dangerous good  
IMDG (sea): dangerous good  
ICAO/IATA (air): dangerous good  
Marine Pollutant: no

#### Details for classification:

UN number: 1210  
Proper shipping name: PRINTING INK  
Class: 3  
Packing group: II  
Classificationcode: F1  
Source of danger: Ethylmethylketon (Butanone)

#### Other informations:

(so far necessarily)

## 15. Regulatory information

Labelling according to Directives 67/548/EEC and 1999/45/EC:

**Symbols of Danger:**

F Highly Flammable  
Xi Irritant

**R-Phrase:**

R11 Highly flammable  
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R66 Repeated exposure may cause skin dryness or cracking  
R67 Vapours may cause drowsiness and dizziness  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**S-Phrase:**

S9 Keep container in a well-ventilated place  
S16 Keep away from sources of ignition - No smoking  
S25 Avoid contact with eyes  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S61 Avoid release to the environment. refer to special instructions/Safety data sheets

**National Laws:**

**Other Laws:**

## 16. Other informations

**Shortcuts:**

n.a.: not applicable                      n.d.: not determined

**Full text of R phrases in heading 3:**

R11 Highly flammable  
R36 Irritating to eyes  
R66 Repeated exposure may cause skin dryness or cracking  
R67 Vapours may cause drowsiness and dizziness  
R51 Toxic to aquatic organisms  
R53 May cause long-term adverse effects in the aquatic environment

**Amendments in this safety data sheet:**

General revision concerning regulation (EC) No. 1907/2006

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. These products should be stored, handled, and used in conformity with any legal regulation. The information provided above is for general guidance only without responsibility, liability, and warranty on our part.