

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

Product name : 79000-00004 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

Highly flammable liquid.

3. Composition / information on ingredients

This product is a mixture within the meaning of GHS regulation (EC) no. 1272/2008.

General chemical characterisation:

Mixture(s) based on organic solvents, resins, cellulose nitrate, pigments

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	45-50	Xi, F	11,36,66,67
Ethanol	64-17-5	200-578-6	10-15	F	11
Cellulosenitrat <12,6%N	9004-70-0	-	<10	F	11
Ethyl acetate	141-78-6	205-500-4	<10	Xi, F	11,36,66,67
1-Methoxypropan-2-ol	107-89-0	203-539-1	<5	-	10
Sodium perchlorate	7601-89-0	231-511-9	<2	Xn, O	9, 22

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	Butanon	TLV	200 [ml/m ³]	2000	EU
64-17-5	Ethanol	TLV	1000 [ml/m ³]	2000	GB
141-78-6	Ethylacetat	TLV	400 [ml/m ³]	2000	GB
107-98-2	1-Methoxypropan-2-ol	TLV	100 [ml/m ³]	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: white
Odour: ketonelike

9.2 Important health, safety and environmental information

Boiling range: > 78 °C
Melting range: n.a.
Relative density: 1,02 g/cm³
Vapour pressure: <= 105 hPa
Viscosity: 8,5 mPas
pH: n.a.
Flash point: -3 °C
Autoignition temperature: >= 270 °C
Explosion limit, lower: 1,8 %vol
Explosion limit, upper: 15 %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
R36 Irritating to eyes
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness

S-Phrase:

S7/9 Keep container tightly closed and 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

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
R10 Flammable
R9 Explosive when mixed with combustible material
R22 Harmful if swallowed

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.