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

Product name : **76000-00011 Ink, food grade blue**

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
www.leibinger-group.com

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

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 and dyestuff

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

Name of substance	CAS-No.	EC-No.	[Wt.-%]	Symbol of danger	R-Phrase
Ethanol	64-17-5	200-578-6	60-80	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 dioxid 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
64-17-5	Ethanol	TLV	1000 [ml/m³]	2000	GB

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: blue
Odour: alcoholic

9.2 Important health, safety and environmental information
Boiling range: 78 °C
Melting range: n.a.
Relative density: ~0,9 g/cm³
Vapour pressure: <= 59 hPa
Viscosity: 5,8 mPas
pH: n.a.
Flash point: 18 °C
Autoingnition temperature: 425 °C
Explosion limit, lower: 3,5 %vol
Explosion limit, upper: 15 %vol
Water solubility: 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 in case of burning

11. Toxicological information

No toxical effects if used as intended.

12. Ecological information

Do not dispose into drains or aquatic environment.
Water hazard class (Germany): 1 – slightly 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

Recommendations for packaging
Totally emptied packaging may be treated as household waste.

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:	Ethanol

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

R-Phrase:
R11 Highly flammable

S-Phrase:
S7/9 Keep container tightly closed and in a well-ventilated place
S16 Keep away from sources of ignition - No smoking

16. Other informations

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

Full text of R phrases in heading 3:
R11 Highly flammable

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.