

Safety data sheet

MSDS # 5105

According to 91/155/EEC

Ink in Magnum 44

Date of revision:

04 January 02

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1. Name of product and firm

Product name Ink in Magnum 44

Firm Sanford GmbH
Schnackenburgallee 43-45
D-22525 Hamburg
Tel: 49 40 / 8555-0
Fax: 49 40 / 850 1396

Emergency information Tel: 49 40 / 8555-0

2. Chemical characterization / information on ingredients

Chemical characterization: Alcohol-based dye solution

Dangerous ingredients		CARN	content / %	symbol	R-phrases
1-Propanol		71-23-8	max. 90	F	11
p-Toluylacid		99-94-5	max. 6,5	Xn	22 - 36

3. Possible hazards

Special risks concerning human beings and the environment: Highly flammable

4. First aid measures

General hints: -

Upon inhalation: Remove to fresh air. Consult physician, if symptoms persist.

Upon skin contact: Wash with soap and water.

Upon eye contact: Flush with water for at least fifteen minutes. Consult physician.

Upon ingestion: Drink water to dilute and induce vomiting. Consult physician.

5. Fire-fighting measures

Suitable extinguishing media: No limitation

Non-suitable media: -

Special hazards: -

Special protective clothing: Wear self-contained breathing apparatus.

6. Measures in case of spillage

Protective measures, personal: Eliminate all ignition sources. Keep at well-ventilated places

Environmental: -

Proceedings for cleaning/taking up: Soak up with absorbent material. Dispose in accordance to 13.

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7. Handling and storage

Handling: Keep away from ignition sources. No smoking.
Storage: Keep containers tightly closed in a cool and well-ventilated place.

8. Threshold limits and personal protective equipment

Hints for the arrangement of technical equipment: Keep containers in well-ventilated places. Precautions against electrostatic discharge.

Ingredients with threshold limit values:

	CARN	TLV / mg/m ³
2-Propanol	67-63-0	980

Personal protective equipment

General: -
Respiratory protection: If any TLV is exceeded, use an approved air supplied respirator.
Hand protection: Rubber gloves
Eye protection: By handling of large quantities, use goggles
Body protection: -

9. Physical and chemical data

Form: liquid
Color: different colors
Odor: like alcohol

Melting point: - °C
Boiling point: 79 °C
Flash point: 19 °C
Ignition temperature: n.a. °C
Danger of self-ignition: -
Fire-promoting properties: -
Explosion hazards: May form explosive vapor-air mixtures
Lower explosion limit: 3,3 Vol%
Upper explosion limit: 19 Vol%
Vapor pressure (20°C): ca. 25 hPa
Density (20°C): 0,791 g/ml
Solubility in water (20°C): miscible
pH-value (20°C): n.a.
Viscosity (25°C): 2 - 5 mPas

10. Stability and Reactivity

Conditions to avoid: -
Materials to avoid: Strong oxidizers
Dangerous decomposition products: Carbon monoxide may be released during combustion

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11. Information on toxicity

Acute toxicity
LD50 (rat, oral, calculated): n.o. mg/kg
Primary irritation: Risk of skin and eye irritation after intensive contact
Sensibilisation: n.o.
Subacute/chronic toxicity: n.o.
Experience on human beings: Excessive inhalation can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache.

12. Information on ecology

Information on elimination: n.o.
Behaviour in the environment: n.o.
Ecotoxic effects: n.o.
Further information: -

13. Information on waste-treatment

Product
Recommendation: In accordance with local regulations
Dirty packaging
Recommendation: In accordance with local regulations
Recommended cleaning agent: Alcohol-based cleaner

14. Information on transport

ADR/RID and GGVS/GGVE	name: alcohols, n.o.s.	class: 3	number/letter: 31	hazard-nr.:	material-nr.:
					1987
ADN/ADNR	name: alcohols, n.o.s.	class: III	number/letter: -	category:	
IMDG/GGVSee	name: alcohols, n.o.s.	class: 3	UN-nr.: 1987	PG: III	EMS-nr: MFAG: marine pollutant:
					-
ICAO-TI and IATA/DGR	name: alcohols, n.o.s.	class: 3	UN/ID-nr.: 1987	PG: III	

15. Regulations

Labeling according to EEC-directives
Hazard-symbol: F
Component(s): Propanol-1
R-phrases: 11 Highly flammable
S-phrases: 7 Keep container tightly closed
16 Keep away from sources of ignition - No smoking
National regulations

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16. Further information

n.a. = not applicable

n.o. = not observed

The foregoing information reflects our current knowledge and does not have the purpose of guaranteeing product properties.