

Safety data sheet

according to 91/155/EEC

EK Pen Cleaner

Date of printing: 15.05.06

Date of revision: 08.05.06

1. Name of product and firm

Product name:	EK Pen Cleaner	Art.No.: 35 100 008
		Art.No.: 35 100 010
		Art.No.: 35 100 012
Firm:	EK-TEAM Elektronik- u. Kunststofftechnik GmbH	
	Schnackenburgallee 43-45	Tel.: +49 - (0)40 - 853749-00
	D-22525 Hamburg	Fax: +49 - (0)40 - 853749-01
Contact person:	Rainer Utesch-Pruessner	Tel.: +49 - (0)40 - 853749-05
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Emergency information:	Poison Center Göttingen	Tel.: +49 - (0)551 - 19240

2. Chemical characterization / information on ingredients

Chemical characterization:	composition of solvent and dyestuff				
Dangerous ingredients:	1-Methoxy-2-propanol	CARN 107-98-2	content / % >90	symbol -	R-phrases 10

3. Possible hazards

Special risks concerning human beings and the environment: flammable

4. First aid measures

General hints:	-
Upon inhalation:	supply fresh air
Upon skin contact:	wash with water and soap
Upon eye contact:	rinse eye-lid immediately with plenty of water
Upon ingestion:	drink water to dilute, consult physician

5. Fire-fighting measures

Suitable extinguishing media:	no restrictions
Non-suitable media:	-
Special hazards:	-
Special protective clothing:	wear artificial respiration equipment

6. Measures in case of spillage

Protective measures, personal:	-
environmental:	-
Proceedings for cleaning/taking up:	wipe up with cloth and wash away with water

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7. Handling and storage

Handling: keep away from ignition-sources, do not smoke
 Storage: keep containers tightly closed and store in a cool place

8. Threshold limits and personal protective equipment

Hints for the arrangement of technical equipment: -

Ingredients with

threshold limit values:	1-Methoxy-2-propanol	CARN 107-98-2	TLV / mg/m ³ 375 Pregnancy: Group C
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Personal protective equipment

General: -
 Respiratory protection: -
 Hand protection: wear protective gloves when handling larger quantities
 Eye protection: -
 Body protection: -

9. Physical and chemical data

Form:	liquid
Color:	greenish, clear
Odor:	like alcohol
Melting point:	ca. -95 °C
Boiling point:	ca. 120 °C
Flash point:	35 °C
Ignition temperature:	270 °C
Danger of self-ignition:	-
Fire-promoting properties:	-
Explosion hazards:	formation of explosive vapour/air-mixtures possible
Lower explosion limit:	ca. 2 Vol%
Upper explosion limit:	ca. 20 Vol%
Vapor pressure (20 °C):	ca. 15 hPa
Density (20 °C):	ca. 0,93 g/ml
Solubility in water (20 °C):	miscible
pH-value (20 °C):	n.a.
Viscosity (25 °C):	ca. 2 mPas

10. Stability und Reactivity

Conditions to avoid: -
 Materials to avoid: strong oxidizers
 Dangerous decomposition products: -

11. Information on toxicity

Acute toxicity
 LD50 (rat,oral,calculated): approx. 5000 mg/kg
 Primary Irritation: n.o.
 Sensibilisation: n.o.
 Subacute/chronic toxicity: n.o.
 Experience on human beings: n.o.

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12. Information on ecology

Information on elimination: disturbance of waste-water-treatment is not expected

Behaviour in the environment: n.o.

Ecotoxic effects: n.o.

Further information: -

13. Information on waste-treatment

Product

Recommendation: according to local regulations (deposit, combustion)

Key-number for waste-disposal:

Dirty packaging

Recommendation: according to local regulations (deposit, combustion)

Recommended cleaning agent: water

14. Information on transport

ADR/RID and GGVS/GGVE	name:	class:	UN No.	PG		
	1-Methoxy- 2-propanol	3	3092	III		
ADN/ADNR	name:	class:	number/letter:	category:		
	not determined					
IMDG/GGVSee	name:	class:	UN No.:	PG.:	EMS-nr:	marine pollutant:
	1-Methoxy- 2-propanol	3	3092	III	F-E,S-D	-
ICAO-TI and IATA/DGR	name:	class:	UN/ID-nr.:	PG.:		
	1-Methoxy- 2-propanol	3	3092	III		

15. Regulations

Labelling according to EEC-directives

Hazard-symbol: -

Component(s): 1-Methoxy-2-propanol

R-phrases: 10 flammable

S-phrases: 2 keep out of reach of children

24 avoid contact with skin

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.