

SAFETY DATA SHEET (1)

for

DRAWING AND WRITING INSTRUMENTS

FOR DISTRIBUTORS

318-2

LUMOCOLOR F, PERMANENT

RED

QUICK IDENTIFIER (2)
SECTION I - GENERAL INFORMATION

Manufacturer's name STAEDTLER MARS GMBH & Co.	Telephone no. for further information (Area code + ..) 0049-911-3080-319
Address D-90427 Nürnberg, Moosäckerstr. 3 Germany	Telex no. 62311550 ma d Telefax no. 0049-911-3080-400
Date 04-15-93	Prepared by KINPEL D3

SECTION II - HAZARDOUS INGREDIENTS (SPECIFY COMPONENT)

Hazardous ingredients (chemical or common name(s)) (3)	CAS No.	TLV ppm/mg/m ³	wt %	Component
Ethanol	64-17-5	1000 ppm TWA	65	INK
1-Methoxypropanol-2	107-98-2	100 ppm TWA	16	INK
Basic Red 28	--	--	11	INK
Basic Red 1; LD50 rat oral: 400 mg/kg	989-38-8	--	1.1	INK

SECTION III - PHYS./CHEM. CHARACTERISTICS (SPECIFY COMPONENT)

Appearance and odor: Fibre tip pen, containing solvent based ink, alcoholic odor.	Component: Ink
Boiling point (°C): > 78	Density (g/cm ³): (3) 0.88
Vapour density (air = 1): n.d.	Melting point (°C): n.d.
Solubility in water: 87 %	Evaporation rate (butyl acetate = 1): n.d.
Pressurized yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	% Volatile: (4) approx. 81
Other characteristics: Flammable liquid	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point (°C): 17 Method used: Closed cup	Explosion limits (Vol-%)	LEL: 1.7	UEL: 15
Extinguishing media: Water spray jet, dry powder, carbon dioxide, foam			
Special fire fighting precautions: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.		Autoignition temp (°C): ≥ 270	
List hazardous products of decomposition: Carbon dioxide, carbon monoxide			
Other advice: None			

IMPORTANT

(1) Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate as follows: not applicable = n.a.; not determined = n.d.

(2) Products type and common name (used on label and list)

(3) Cited in any National Regulations on the classification, packaging and labelling of dangerous substances, preparations, paints, varnishes, printing inks, adhesives and similar products.

(4) Part of the mixture which evaporates