

SAFETY DATA SHEET

for
DRAWING AND WRITING INSTRUMENTS
 FOR DISTRIBUTORS

316-2

LUMOCOLOR F, NON-PERMANENT

RED

QUICK IDENTIFIER
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, Moosbuckerstr. 3 Germany	Telex no. 62311550 ma d Telefax no. 0049-911-3080-400
	Date 04-15-93 Prepared by KINPEL 03

SECTION II - HAZARDOUS INGREDIENTS (SPECIFY COMPONENT)

Hazardous ingredients (chemical or common name(s))	CAS No.	TLV ppm/mg/m ³	WT %	Component
i-Propanol	67-63-0	400 ppm TWA	25	INK
Acid Orange 7	633-96-5	--	4.9	INK
Acid Red 87	17373-87-1	--	13.4	INK

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

Appearance and odor: Fibre tip pen, containing waterbased ink, odorless	Component: Ink
Boiling point (°C): ≥ 82	Density (g/cm ³): 1.07
Vapour density (air = 1): n.d.	Melting point (°C): n.d.
Solubility in water: completely	Evaporation rate (butyl acetate = 1): n.d.
Pressurized yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	% Volatile: 81
Other characteristics: Flammable liquid	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point (°C): 27.5 Method used: Closed cup	Explosion limits (Vol-%)	LEL: 1.2	UEL: 12
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): 425	
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) Product 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