STAEDTLER

# SAFETY DATA SHEET [1]
for
# DRAWING AND WRITING INSTRUMENTS
FOR DISTRIBUTORS

316-9

LUMOCOLOR F, NON-PERMANENT

BLACK

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 |
| Adresse D-90427 Nürnberg, Moosäckerstr. 3 Germany | Telex no. 62311550 ma d Telefax no. 0049-911-3080-400 |
| | Date 04-15-93 Prepared by KIMPEL 03 |

## SECTION II - HAZARDOUS INGREDIENTS (SPECIFY COMPONENT)

| Hazardous ingredients (chemical or common name(s)) [3] | CAS No. | TLV ppm;mg/m³ | wt % | Component |
|---|---|---|---|---|
| i-Propanol | 67-63-0 | 400 ppm TWA | 16 | INK |
| 1-Methoxypropanol-2 | 107-98-2 | 100 ppm TWA | 8 | INK |
| 1,2-Propandiol | 57-55-6 | -- | 4 | INK |
| Acid Brown 4 | -- | -- | 2.3 | INK |
| Acid Red 88 | 1658-56-6 | -- | 2.3 | 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/cm³): [3] 1.03 |
| Vapour density (air = 1): n.d. | Melting point (°C): n.d. |
| Solubility in water: completely | Evaporation rate (butyl acetate = 1): n.d. |
| Pressurized yes ☐ no ☒ | % Volatile: [4] 84 |

Other characteristics:
Flammable liquid

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|---|---|---|
| Flash point (°C): 29<br>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): ≥ 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 determind – 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

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