

Product data sheet

address STAEDTLER Mars GmbH & Co. KG
Moosäckerstr. 3
90427 Nürnberg
phone +49 911 93 65 - 888
fax +49 911 93 65 - 769
internet www.staedtler.de
e-mail service@staedtler.com



Article description	
STAEDTLER Lumocolor permanent special 319	Made in Germany

Constituents	
Ink:	Alcohol-based Dyestuffs Binding agent and additives
Holder:	Plastics:
	Barrel: PP
	Cap: PP
	Sealing: PE
PP: polypropylene, PE: polyethylene	

Conformity	
STAEDTLER Lumocolor permanent special 319 meets the standard:	
ISO 11540	'Caps for writing and marking instruments intended for use by children up to 14 years of age – Safety requirements'. Ventilated caps reduce the danger of asphyxiation for children up to the age of 14 should caps be swallowed accidentally.
ASTM D-4236	The product is tested by ACMI (Art & Creative Material Institute) and conforms to the US-Standard ASTM D-4236. According to the standard, a qualified toxicologist tests the products.
The product meets the Regulations (EG) No. 1907/2006 (REACH) and No. 1272/2008 (CLP) concerning the Registration, Evaluation, Authorization and Restriction of Chemicals.	

Usage notes	
Marking:	For many special applications such as coated surfaces, nano coatings, optical glass (including the newest generation) and laboratory glass as well as for laminated film and silicone. Not suitable for use on coated surfaces whose top layer can be easily removed. Not suitable for use on overhead film.
Lightfast:	Extremely lightfast – Tested on smooth surfaces: black for 7 years/ red for 1 year
Airplane-safe:	Automatic pressure equalisation prevents the pens from leaking during flight.
Line widths:	319 S (black) 0.4 mm 319 M (black) 1.0 mm 319 F-2, 319 F-9 (red and black) 0.6 mm

Staedtler has been certified to ISO 9001 and ISO 14001 and considered in the selection of raw materials and their processing in the relevant national and international laws to protect the users.