









Data sheet for safety and environment

February 21st, 2018

Product		
Trade name:	Description:	
<p>Line-Up  0.4 mm</p> <p>Writing colour Article no. Internal no.</p> <p>Sapphire-Black 191001 408190 Romantic-Red 191002 408191 Lapis-Blue 191003 408192 Blackforest-Green 191004 408193 Golden-Yellow 191005 408194 Tango-Orange 191006 408195 Mahogany-Brown 191007 408196 Daytona-Violet 191008 408197 Fashion-Pink 191009 408198 Mineral-Blue 191010 408199 Apple-Green 191011 408200 Silver-Grey 191012 408201 Vulcan-Yellow 191013 408202 Nautic-Green 191014 408203 Highland-Green 191015 408204 Apricot 191016 408205 Alaska-Blue 191017 408206 Topaz-Brown 191018 408207 Carmine-Red 191019 408208 Electric-Purple 191020 408209 Space-Grey 191021 408210 Coral 191022 408211 Mystic-Blue 191023 408212 Olive-Green 191024 408213 Royal-Red 191028 408214 Neon-Red 191060 408215 Neon-Green 191063 408216 Neon-Yellow 191064 408217 Neon-Orange 191065 408218 Neon-Pink 191069 408219</p>	<p>Line-Up is the first fineliner with a barrel of 88 % bio-based plastic.</p> <p>With its wide range of colours and its slim design it is a perfect companion for putting drawing and writing in the spotlight.</p> <p>The cap-off ink does not run dry even if the cap is removed for 2-3 days (except neon colours).</p> <p>Relaxed writing is ensured with the rubberised, ergonomic triangular barrel.</p> <p>Robust metal-encased writing tip, line width ca. 0.4 mm. Available in 30 colours.</p> <p>The Line-Up complies with the US Consumer Safety Specifications for Toy Safety: ASTM F963-11.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Cap off </div> <div style="text-align: center;">  Ergonomic triangle </div> <div style="text-align: center;">  CO₂ neutral Emissions fully compensated </div> <div style="text-align: center;">  Bio Pen body made of > 85% biobased plastic </div> <div style="text-align: center;">  BIOPASIIERT > 85% DIN Geprüft 8C079 </div> </div>	
		
Figure: Art.-No. 191001 Sapphire-Black		

Components		
Barrel:	Ink:	
Used material per pen:	Filling per pen:	1.30 g
Polyolefine and Thermoplastic Elastomer (TPE) based on bio-alcohol Polyoxymethylene (POM) Polyester Stainless steel	Water-based ink. Ink consists of colorants, polyhydric alcohols and additives.	

	<p>Art.-Nr. 191069 Writing colour: Neon-Pink</p> <p>Classification of the ink</p>  <p>GHS08 Health hazard STOT RE 2 H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.</p> <p>Conforms to the health requirements of the LHAMA regulation in accordance with 16 CFR 1500.14 and ASTM D4236.</p> <p>Hazardous ingredients</p> <table> <tr> <td>Ethanediol</td> <td>CAS 107-21-1</td> </tr> <tr> <td>2.5 – 10 %</td> <td></td> </tr> <tr> <td>C. I. Basic Red 1</td> <td>CAS 989-38-8</td> </tr> <tr> <td>≤ 1.0 %</td> <td></td> </tr> <tr> <td>Bronopol (INN)</td> <td>CAS 52-51-7</td> </tr> <tr> <td>≤ 1.0 %</td> <td></td> </tr> </table>	Ethanediol	CAS 107-21-1	2.5 – 10 %		C. I. Basic Red 1	CAS 989-38-8	≤ 1.0 %		Bronopol (INN)	CAS 52-51-7	≤ 1.0 %	
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≤ 1.0 %													
Flashpoint: not determined	Flashpoint: 94 °C												
Solubility in water: insoluble	Solubility in water: fully miscible												
Indication: Plastics are dyed with cadmium-free pigments.	Contact with skin: Generally the product does not irritate the skin. Wash with water and soap, do not use solvents.												
Extinguishing media: <ul style="list-style-type: none"> • Water spray • CO₂ • Dry-chemical fire extinguisher • Foam 	<p>After swallowing: Rinse mouth with water. If symptoms persist consult a doctor.</p> <p>After Eye contact: Remove contact lenses. Rinse opened eye for several minutes under running water.</p>												
Disposal: Environmentally friendly. No contamination of air or ground water in combusting plant. Empty refills can be disposed off with daily garbage considering local regulations.	Disposal: <u>Europe</u> According to local regulation, ex. to dispose of as colours. Smaller quantities can be disposed of with household waste.												

The information in this product data sheet refers to commercial quantities of finished products. It may not be always applicable for materials and preparations used for industrial processing.

The above mentioned data are based on our today's knowledge. They don't guarantee characteristics. Users of our products have to consider present laws and regulations in own responsibility. This product data sheet is not subject to an updating service.

Schneider has been certified as the first company of the writing instruments industry since 1998 after the world's most stringent environmental management system EMAS.



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