

## Data sheet for safety and environment

December 06<sup>th</sup>, 2019

Product				Description:
Trade name:				
<b>Slider Edge</b>				<p>Ballpoint pen with Viscoglide® technology for extraordinarily easy and gliding writing.</p> <p>The ink dries quickly - even on smooth paper - and is smudge proof when highlighting it later on.</p> <p>The black ink is waterproof according to ink standard ISO 12757-2.</p> <p>Ideally suited to drawing and painting projects because the special ink will not run even on absorbent paper.</p> <p>A generously rubberised three-sided barrel is designed for relaxed writing without hand fatigue. It does not roll on the desk and its slim shape fits perfectly into school children's pencil cases or into desk pen drawers.</p> <p>The cap fits neatly on either end of pen.</p> <p>The wear-resistant stainless steel tip guarantees that the large ink supply can be fully used and does not smear.</p> <p>The Slider Edge is produced CO<sub>2</sub> neutral.</p>
<u>Article no.</u>	<u>Line width</u>	<u>Writing colour</u>	<u>Internal no.</u>	
152001	F	black	407745	
152002	F	red	407746	
152003	F	blue	407747	
152101	M	black	407748	
152102	M	red	407749	
152103	M	blue	407750	
152104	M	green	407751	
152201	XB	black	407752	
152202	XB	red	407753	
152203	XB	blue	407754	
152204	XB	green	407755	
152205	XB	yellow	407756	
152206	XB	orange	407757	
152207	XB	brown	407758	
152208	XB	violet	407759	
152209	XB	pink	407760	
152210	XB	light blue	407761	
152211	XB	light green	407762	





Figure: Slider Edge XB, writing colour blue



CO<sub>2</sub>  
neutral  
Emissions  
fully com-  
pensated

Components		
<b>Barrel:</b>	<b>Ink:</b>	
<b>Used material per pen:</b>	<b>Filling per pen:</b>	0.45 g
Polypropylene (PP) Thermoplastic elastomer (TPE) Butyl rubber Stainless steel Hard metal	Paste consists of colorants, solvents, resins and additives.	

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Item No. 22514-1003, 22514-1008, 22514-2020, 22514-3010, 22514-3060, 22514-4510, 22514-5010, 22514-5020, 22514-6000, 22514-7010, 22514-7020

Indication for security and environment	
<b>Barrel:</b>  <b>Hazardous ingredients</b> none according to EU directives	<b>Ink:</b>  The information in this section is based on the safety data sheet according to OSHA HCS. The products are classified according to Globally Harmonized System (GHS). All stated contents are provided in percentage by weight.  <b>Writing colour black</b> <b>Hazardous ingredients</b> 2-Phenoxyethanol CAS 122-99-6 25 – 50 % Benzyl alcohol CAS 100-51-6 10 – 25 % C. I. Solvent Black 46 CAS 65113-55-5 10 – 25 % Phosphoric acid mono-bis-(2-ethylhexyl)-ester CAS 12645-31-7 ≤ 1 %  <b>Classification of the mixture:</b>  GHS05 Corrosion Eye Dam. 1 H318 Causes serious eye damage.   GHS09 Environment Aquatic Acute 1 H400 Very toxic to aquatic life. Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.   GHS07 Skin Irrit. 2 H315 Causes skin irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 H335 May cause respiratory irritation.  <b>Writing colour red</b> <b>Hazardous ingredients</b> 2-Phenoxyethanol CAS 122-99-6 25 – 50 % C. I. Solvent Red 252 CAS 1261971-57-6 10 – 25 % Butane-1,4-diol CAS 110-63-4 10 – 25 %  <b>Classification of the mixture:</b>



GHS05 Corrosion  
Eye Dam. 1  
H318 Causes serious eye damage.



GHS09 Environment  
Aquatic Chronic 1  
H410 Very toxic to aquatic life with long lasting effects.



GHS07  
Skin Sens. 1  
H317 May cause an allergic skin reaction.

Aquatic Acute 2  
H401 Toxic to aquatic life.

#### Writing colour blue

##### **Hazardous ingredients**

2-Phenoxyethanol 25 – 50 %	CAS 122-99-6
Benzyl alcohol 10 – 25 %	CAS 100-51-6
2-Methylpentane-2,4-diol 10 – 25 %	CAS 107-41-5
C. I. Solvent Violet 8 2.5 – 10 %	CAS 561-41-1
C. I. Solvent Blue 4: less than 0.1 % Michler's Ketone 2.5 – 10 %	CAS 6786-83-0
Phosphoric acid mono-bis- (2-ethylhexyl)-ester 2.5 – 10 %	CAS 12645-31-7

##### **Classification of the mixture:**



GHS05 Corrosion  
Eye Dam. 1  
H318 Causes serious eye damage.



GHS07  
Skin Irrit. 2  
H315 Causes skin irritation.  
Skin Sens. 1  
H317 May cause an allergic skin reaction.

#### Writing colour green

##### **Hazardous ingredients**

2-Phenoxyethanol 25 – 50 %	CAS 122-99-6
Benzyl alcohol 10 – 25 %	CAS 100-51-6
C. I. Solvent Blue 51 2.5 – 10 %	CAS 68411-04-1

C. I. Solvent Yellow 82 CAS 85029-58-9  
2.5 – 10 %

Phosphoric acid mono-bis- (2-ethylhexyl) -ester CAS 12645-31-7  
2.5 – 10 %

**Classification of the mixture:**



GHS05 Corrosion  
Eye Dam. 1  
H318 Causes serious eye damage.



GHS07  
Skin Irrit. 2  
H315 Causes skin irritation.  
Skin Sens. 1  
H317 May cause an allergic skin reaction.  
Aquatic Chronic 3  
H412 Harmful to aquatic life with long lasting effects.

**Writing colour yellow**

**Hazardous ingredients**

2-Phenoxyethanol CAS 122-99-6  
10 – 25 %

Benzyl alcohol CAS 100-51-6  
2.5 – 10 %

2,2'-(octadec-9-enylimino)-bisethanol CAS 25307-17-9  
≤ 2.5 %

Phosphoric acid mono-bis- (2-ethylhexyl)-ester CAS 12645-31-7  
≤ 2.5 %

**Classification of the mixture:**



GHS05 Corrosion  
Eye Dam. 1  
H318 Causes serious eye damage.



GHS09 Environment  
Aquatic Chronic 2  
H411 Toxic to aquatic life with long lasting effects.



GHS07  
Skin Irrit. 2  
H315 Causes skin irritation.

**Writing colour orange**

**Hazardous ingredients**

2-Phenoxyethanol CAS 122-99-6  
25 – 50 %

C. I. Solvent Yellow 47 CAS 12227-04-2  
10 – 25 %

Butane-1,4-diol CAS 110-63-4  
10 – 25 %

Oleoysarcosinic acid CAS 110-25-8  
≤ 1 %

**Classification of the mixture:**



GHS07  
Acute Tox. 4  
H302 Harmful if swallowed.  
Eye Irrit. 2  
H319 Causes serious eye irritation.

Aquatic Acute 3  
H402 Harmful to aquatic life.

**Writing colour brown**

**Hazardous ingredients**

2-Phenoxyethanol CAS 122-99-6  
25 – 50 %

Oleoysarcosinic acid CAS 110-25-8  
2.5 – 10 %

Butane-1,4-diol CAS 110-63-4  
2.5 – 10 %

2,2'-(octadec-9-  
enylimino)bisethanol CAS 25307-17-9  
2.5 – 10 %

**Classification of the mixture:**



GHS05 Corrosion  
Eye Dam. 1  
H318 Causes serious eye damage.



GHS09 Environment  
Aquatic Chronic 2  
H411 Toxic to aquatic life with long  
lasting effects.



GHS07  
Skin Irrit. 2  
H315 Causes skin irritation.

Aquatic Acute 2  
H401 Toxic to aquatic life.

**Writing colour violet**

**Hazardous ingredients**

2-Phenoxyethanol CAS 122-99-6  
25 – 50 %

Benzyl alcohol CAS 100-51-6  
10 – 25 %

C. I. Solvent Red 49 2.5 – 10 %	CAS 509-34-2
Phosphoric acid mono-bis- (2-ethylhexyl)-ester 2.5 – 10 %	CAS 12645-31-7
C. I. Solvent Violet 8 ≤ 2.5 %	CAS 561-41-1
C. I. Solvent Blue 4; less than 0,1 % Michler's Ketone ≤ 1.0 %	CAS 6786-83-0

**Classification of the mixture:**

GHS05 Corrosion  
Eye Dam. 1  
H318 Causes serious eye damage.



GHS07  
Acute Tox. 4  
H302 Harmful if swallowed.  
Skin Irrit. 2  
H315 Causes skin irritation.  
Aquatic Chronic 3  
H412 Harmful to aquatic life with long lasting effects.

**Writing colour pink****Hazardous ingredients**

2-Phenoxyethanol 10 – 25 %	CAS 122-99-6
2-Methylpentane-2,4-diol 10 – 25 %	CAS 107-41-5
C. I. Solvent Red 49 2.5 – 10 %	CAS 509-34-2
Phosphoric acid mono-bis- (2-ethylhexyl)-ester 2.5 – 10 %	CAS 12645-31-7

**Classification of the mixture:**

GHS05 Corrosion  
Eye Dam. 1  
H318 Causes serious eye damage.



GHS07  
Skin Irrit. 2  
H315 Causes skin irritation.

Aquatic Acute 2  
H401 Toxic to aquatic life.  
Aquatic Chronic 3  
H412 Harmful to aquatic life with long lasting effects.

**Writing colour light blue****Hazardous ingredients**

2-Phenoxyethanol 25 – 50 %	CAS 122-99-6
Benzyl alcohol 10 – 25 %	CAS 100-51-6
C.I. Solvent Blue 51 2.5 – 10 %	CAS 68411-04-1
Phosphoric acid mono-bis- (2-ethylhexyl)-ester 2.5 – 10 %	CAS 12645-31-7

**Classification of the mixture:**

GHS05 Corrosion  
Eye Dam. 1  
H318 Causes serious eye damage.



GHS07  
Skin Irrit. 2  
H315 Causes skin irritation.

Aquatic Acute 2  
H401 Toxic to aquatic life.  
Aquatic Chronic 3  
H412 Harmful to aquatic life with long lasting effects.

**Writing colour light green****Hazardous ingredients**

2-Phenoxyethanol 25 – 50 %	CAS 122-99-6
Benzyl alcohol 10 – 25 %	CAS 100-51-6
C. I. Solvent Yellow 146 2.5 – 10 %	CAS 94279-65-9
C. I. Solvent Blue 38 2.5 – 10 %	CAS 72928-60-0
Phosphoric acid mono-bis- (2-ethylhexyl)-ester ≤ 2.5 %	CAS 12645-31-7

**Classification of the mixture:**

GHS05 Corrosion  
Eye Dam. 1  
H318 Causes serious eye damage.



GHS07  
Acute Tox. 4  
H302 Harmful if swallowed.  
Skin Irrit. 2  
H315 Causes skin irritation.

	<p>Skin Sens. 1 H317 May cause an allergic skin reaction.</p> <p>Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.</p>
<p><b>Flashpoint:</b> not determined</p>	<p><b>Flashpoint:</b> Writing colours black, green, violet, lightgreen, lightblue: 101 °C (213.8 °F) Writing colour red, orange: &gt; 113 °C (&gt;235.4 °F) Writing colour brown: 121 °C (249.8 °F) Writing colour blue, pink: 94 °C (201.2 °F) Writing colour yellow: not determined</p>
<p><b>Solubility in water:</b> insoluble</p>	<p><b>Solubility in water:</b> not miscible / difficult to mix</p>
<p><b>Indication:</b> Plastics are dyed with cadmium-free pigments.</p>	<p><b>Contact with skin:</b> Wash with water and soap, do not use solvents.</p>
<p><b>Extinguishing media:</b></p> <ul style="list-style-type: none"> <li>• Water spray</li> <li>• CO<sub>2</sub></li> <li>• Dry-chemical fire extinguisher</li> <li>• Foam</li> </ul>	<p><b>After swallowing:</b> Rinse mouth with water. In case of complaints, call immediately a doctor.</p> <p><b>After Eye contact:</b> Remove contact lenses. Rinse opened eye for several minutes under running water. Then consult a doctor.</p>
	<p><b>Agreeably sweet / aromatic</b> No dangerous vapours because of low concentration during writing process.</p>
<p><b>Disposal:</b> Environmentally friendly. No contamination of air or ground water in combusting plant. Empty refills can be disposed off with daily garbage considering local regulations.</p>	<p><b>Disposal:</b> Disposal must be made according to official regulations.</p>

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.