FABER-CASTELL
since 1761

Safety Data Sheet

Ball Point Pen Ink Blue

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Ball Point Pen Ink Blue

Further trade names

HS Code 96086000
Ball Point Pen Refill blue M 148741
Ball Point Pen Refill blue B 148743
Ball Point Pen Refill blue XB 148746, 148791, 148793, 148771, 100-035-893

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Ball Point Pen Paste

1.3. Details of the supplier of the safety data sheet

Company name:	A.W. Faber- Castell Vertrieb GmbH Germany		
Street:	Nürnberger Str. 2		
Place:	D-90546 Stein		
Telephone:	+49 (0) 911 9965 0	Telefax:	+49 (0) 911 9965 5612
E-mail:	info@faber-castell.de		
Contact person:	Dr. Johannes Poppenberg	Telephone:	+49 (0) 911 9965 5550
E-mail:	Johannes.Poppenberg@faber-castell.com		
Internet:	www.faber-castell.de		
Responsible Department:	Faber-Castell AG, D-90546 Stein, Department TEC		

1.4. Emergency telephone number:

+49 (0) 911 9965 5550
+49 (0) 171 1652979

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute Tox. 4; H302
Skin Corr. 1B; H314
Eye Dam. 1; H318
STOT SE 3; H335
Aquatic Acute 1; H400
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

This product is considered as a Consumer Product according to the Australian Model Work Health and Safety Regulation.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

2-phenoxyethanol
Solvent Blue 38
2-Ethylhexylphosphat
Basic Violet 1 derivate

Signal word: Danger

Pictograms:



Hazard statements

Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause respiratory irritation.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Read carefully and follow all instructions.
Wash Face and all exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid release to the environment.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Store locked up.
Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Alcohol-based inks with dyestuff and additives.

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
100-51-6	benzyl alcohol			25 - < 30 %
	202-859-9	603-057-00-5	01-2119492630-38	
	Acute Tox. 4, Eye Irrit. 2, Skin Sens. 1B; H302 H319 H317			
122-99-6	2-phenoxyethanol			20 - < 25 %
	204-589-7	603-098-00-9	01-2119488943-21	
	Acute Tox. 4, Eye Dam. 1, STOT SE 3; H302 H318 H335			
2390-60-5	C.I. Basic Blue 7 Derivative			15 - < 20 %
	700-579-6		01-2119849083-38	
	Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 1; H302 H319 H335 H410			
72928-60-0	Solvent Blue 38			15 - < 20 %
	277-086-3		01-2120773556-43	
	Acute Tox. 4, Eye Dam. 1; H302 H318			
12645-31-7	2-Ethylhexylphosphat			5 - < 10 %
	235-741-0			
	Met. Corr. 1, Skin Corr. 1B; H290 H314			
1809092-36-1	Basic Violet 1 derivate			5 - < 10 %
	700-759-4		01-2119919035-44	
	Eye Dam. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H318 H335 H400 H410			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
100-51-6	202-859-9	benzyl alcohol	25 - < 30 %
	inhalation: LC50 = 4.178 mg/l (dusts or mists); oral: ATE 1200 mg/kg		
122-99-6	204-589-7	2-phenoxyethanol	20 - < 25 %
	dermal: LD50 = 5510 mg/kg; oral: ATE 1394 mg/kg		
2390-60-5	700-579-6	C.I. Basic Blue 7 Derivative	15 - < 20 %
	oral: LD50 = 2000 mg/kg		
72928-60-0	277-086-3	Solvent Blue 38	15 - < 20 %
	oral: LD50 = 301 mg/kg		
1809092-36-1	700-759-4	Basic Violet 1 derivate	5 - < 10 %
	Aquatic Acute 1; H400: M=10		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical

advice/attention.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Atomized water. alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Do not inhale explosion or combustion gases. Adapt firefighting method to the surrounding area.
Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Hold back and dispose of contaminated wash water.

6.3. Methods and material for containment and cleaning up

Other information

Soak up material with absorbant towel. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Further information on handling

Wash hands with soap and water after use. Do not eat, drink, smoke or sneeze at the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Ball Point Pen Refill

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
100-51-6	benzyl alcohol			
Worker DNEL, acute		dermal	systemic	40 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	110 mg/m³
Worker DNEL, long-term		dermal	systemic	8 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	22 mg/m³
122-99-6	2-phenoxyethanol			
Worker DNEL, long-term		inhalation	local	8,07 mg/m³
Worker DNEL, long-term		dermal	systemic	34,72 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	8,07 mg/m³
12645-31-7	2-Ethylhexylphosphat			
Worker DNEL, long-term		dermal	systemic	10,42 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	36,73 mg/m³

PNEC values

CAS No	Substance	
Environmental compartment		Value
100-51-6	benzyl alcohol	
Freshwater		1 mg/l
Marine water		0,1 mg/l
Freshwater sediment		5,27 mg/kg
Marine sediment		0,527 mg/kg
Microorganisms in sewage treatment plants (STP)		39 mg/l
Soil		0,456 mg/kg
122-99-6	2-phenoxyethanol	
Freshwater		0,943 mg/l
Marine water		0,0943 mg/l
Freshwater sediment		7,237 mg/kg
Marine sediment		0,7237 mg/kg
Microorganisms in sewage treatment plants (STP)		24,8 mg/kg
Soil		1,26 mg/kg
12645-31-7	2-Ethylhexylphosphat	
Freshwater		0,049 mg/l
Marine water		0,0015 mg/l
Marine sediment		0,35 mg/kg
Microorganisms in sewage treatment plants (STP)		15 mg/l

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	pasty
Colour:	blue
Odour:	odourless
Melting point/freezing point:	not determined

Boiling point or initial boiling point and boiling range:	> 180 °C
Flammability:	not determined not applicable
Lower explosion limits:	2,5 vol. %
Upper explosion limits:	12,5 vol. %
Flash point:	> 100 °C
Decomposition temperature:	not determined
pH-Value (at 25 °C):	4,5
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Vapour pressure: (at 50 °C)	0,67 hPa
Density:	1,13 g/cm³
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not Explosive.

Self-ignition temperature

Solid:	not determined
Gas:	not applicable

Oxidizing properties

Not oxidising.

Other safety characteristics

Evaporation rate:	not determined
Solvent content:	50,00 %
Solid content:	35,00 %
Viscosity / dynamic:	10.000 - 12.000 mPa·s

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes

ATEmix tested

	Dose	Species	Source
LD50, oral	1424 mg/kg		

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
100-51-6	benzyl alcohol				
	oral	ATE 1200 mg/kg			
	inhalation (4 h) dust/mist	LC50 4.178 mg/l			
122-99-6	2-phenoxyethanol				
	oral	ATE 1394 mg/kg			
	dermal	LD50 5510 mg/kg	Kaninchen		
2390-60-5	C.I. Basic Blue 7 Derivative				
	oral	LD50 2000 mg/kg	rat	OECD 423	
72928-60-0	Solvent Blue 38				
	oral	LD50 301 mg/kg			

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name						
	Aquatic toxicity	Dose	[h] | [d]	Species	Source	Method
100-51-6	benzyl alcohol					
	Acute fish toxicity	LC50 770 mg/l	96 h	Fish.		
	Acute algae toxicity	ErC50 770 mg/l	72 h	algea		
	Acute crustacea toxicity	EC50 230 mg/l	48 h	aquatic invertebrates		
122-99-6	2-phenoxyethanol					
	Acute fish toxicity	LC50 344 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 625 mg/l	72 h	Scenedesmus sp.		
	Acute crustacea toxicity	EC50 > 500 mg/l	48 h	Daphnia magna		
2390-60-5	C.I. Basic Blue 7 Derivative					
	Acute algae toxicity	ErC50 >12,6 mg/l	72 h	Algae Pseudokirchneriella subcapitata	EN ISO 8692	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
122-99-6	2-phenoxyethanol			
	DOC reduction	>90 %	15	

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
100-51-6	benzyl alcohol	1,05
122-99-6	2-phenoxyethanol	5,9

BCF

CAS No	Chemical name	BCF	Species	Source
122-99-6	2-phenoxyethanol	30200		

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: No transport classification available. Transport carrier not used.
14.2. UN proper shipping name: No transport classification available. Transport carrier not used.
14.3. Transport hazard class(es): No transport classification available. Transport carrier not used.
14.4. Packing group: No transport classification available. Transport carrier not used.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No transport classification available. Transport carrier not used.

14.7. Maritime transport in bulk according to IMO instruments

No transport classification available. Transport carrier not used.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Restrictions on use (UK-REACH, annex XVII):

Entry 75

Directive 2010/75/EU on industrial emissions:	50%
Directive 2004/42/EC on VOC in paints and varnishes:	50 % (565 g/l)
Information according to Directive 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	3 - highly hazardous to water

Additional information

HS Code 96086000

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Met. Corr. 1: Corrosive to metals, hazard category 1
Acute Tox. 4: Acute toxicity, hazard category 4
Skin Corr. 1B: Skin corrosion, sub-category 1B
Eye Dam. 1: Serious eye damage, hazard category 1
Eye Irrit. 2: Eye irritation, hazard category 2
Skin Sens. 1B: Skin sensitisation, hazard category 1B
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method

Classification	Classification procedure
Acute Tox. 4; H302	On basis of test data
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
STOT SE 3; H335	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

May be corrosive to metals.

Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Causes serious eye damage.
Causes serious eye irritation.
May cause respiratory irritation.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Toxic to aquatic life with long lasting effects.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)