



## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Product name: BLACK MARKING INK  
Product code: CP111

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

Use of substance / mixture: PC18: Ink and toners.

#### 1.3 Details of the supplier of the safety data sheet

Company name: Foenix Coding Ltd  
The Barns – Hilltop Farm  
Lyne Lane, Lyne  
Chertsey  
SURREY  
Tel: KT16 0AW  
+44 (0) 1932 701 449  
Email: sales@foenixcoding.com

#### 1.4 Emergency telephone number

Emergency tel: +44 (0) 1932 701 449

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification under CHIP: F: R11; Xi: R36; -: R52/53  
Classification under CLP: Eye Dam. 1: H318; Aquatic Chronic 3: H412; Flam. Liq. 2: H225  
Most important adverse effects: Highly flammable. Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2 Label elements

##### Label elements under CLP:

Hazard statements: H225: Highly flammable liquid and vapour.  
H318: Causes serious eye damage.  
H412: Harmful to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS02: Flame  
GHS05: Corrosion





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**Precautionary statements:**  
P243: Take precautionary measures against static discharge.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTRE or doctor.  
P370+378: In case of fire: Use water mist, foam, carbon dioxide or dry powder for extinction.

**Label elements under CHIP:**

**Hazard symbols:** Highly flammable.  
Irritant



**Risk phrases:** R11: Highly flammable.  
R36: Irritating to eyes.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**2.3 Other hazards**

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.  
**PBT:** This product is not identified as a PBT/vPvB substance.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous Ingredients:**

**ETHANOL**

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-578-6	64-17-5	F: R11 Substance with a Community workplace exposure limit..	Flam. Liq. 2: H225	70-90%

**PROPAN-1-OL**

200-746-9	71-23-8	F: R11; Xi: R41; -: R67	Flam. Liq. 2: H225; Eye Dam. 1: H318; STOT SE 3: H336	1-10%
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**1-METHOXY-2-PROPANOL**

203-539-1	107-98-2	-: R10; -: R67 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; STOT SE 3: H336	1-10%
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**BASIC VIOLET 10**

-	81-88-9	Xn: R20/21/22; Xi: R41; -: R52/53	Acute Tox. 4: H302; Aquatic Chronic 3: H412; Acute Tox. 4: H332; Eye Dam. 1: H318	1-10%
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**BASIC YELLOW 37**

-	6358-30-37	Xi: R41; N: R51/53	Aquatic Chronic 2: H411; Eye Dam. 1: H318	1-10%
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**BASIC BLUE 26**

-	2580-56-5	Xn: R22; Xi: R36; N: R50/53	Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Acute Tox. 4: H302	1-10%
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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** Wash out mouth with water. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
- Delayed/immediate effects:** Immediate effects can be expected after short-term exposure.

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

- Immediate/special treatment:** Eye bathing equipment should be available on the premises.

**SECTION 5: Fire-fighting measures**

**5.1 Extinguishing media**

- Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**5.2 Special hazards arising from the substance or mixture**

- Exposure Hazards:** In combustion emits toxic fumes.

**5.3 Advice for firefighters**

- Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

- Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2 Environmental precautions**

- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.



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**6.3 Methods and materials for containment and cleaning up:**

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4 Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

**7.2 Conditions for safe storage, including any incompatibilities:**

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Suitable packaging:** Polyethylene. Coated steel. Glass.

**7.3 Specific end use(s)**

**Specific end use(s):** No data available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Hazardous ingredients:**

**ETHANOL**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m3	-	-	-

**PROPAN-1-OL**

UK	500 mg/m3	625 mg/m3	-	-
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**1-METHOXY-2-PROPANOL**

UK	375 mg/m3	560 mg/m3	-	-
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**BASIC VIOLET 10**

EU	-	-	No Data	-
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**BASIC BLUE 26**

UK	-	-	Not Known	Not Known
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**DNEL/PNEC Values**

**CP111 BLACK MARKING INK**

Type	Exposure	Value	Population	Effect
DNEL	-	-	-	-



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### 8.2 Exposure controls

- Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.
- Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.
- Hand protection:** Protective gloves.
- Eye protection:** Safety glasses. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.
- Environmental:** Prevent from entering in public sewers or the immediate environment.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State:</b>	Liquid
<b>Colour:</b>	Black
<b>Odour:</b>	Alcoholic
<b>Evaporation rate:</b>	Fast
<b>Oxidising:</b>	Not applicable
<b>Solubility in water:</b>	Miscible
<b>Also soluble in:</b>	Most organic solvents.
<b>Viscosity:</b>	Non-viscous
<b>Kinematic viscosity:</b>	15-18 secs
<b>Viscosity test method:</b>	Flow time in seconds in a 3 mm ISO cup (ISO 2431)
<b>Boiling point/range°C:</b>	>35
<b>Melting point/range°C:</b>	Not applicable
<b>Flammability limits %:</b>	<b>lower:</b> 3.3 <b>upper:</b> 19
<b>Flash point°C:</b>	<21
<b>Part.coeff. n-octanol/water:</b>	No data available.
<b>Autoflammability°C:</b>	365
<b>Vapour pressure:</b>	30mm Hg 20
<b>Relative density:</b>	0.84
<b>pH:</b>	7
<b>VOC g/l:</b>	670

### 9.2 Other information

**Other information:** No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.



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#### 10.4 Conditions to avoid

Conditions to avoid: Heat.

#### 10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

#### 10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Hazardous ingredients:

##### ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

##### PROPAN-1-OL

IVN	RAT	LD50	590	mg/kg
ORL	MUS	LD50	6800	mg/kg
ORL	RAT	LD50	1870	mg/kg

##### 1-METHOXY-2-PROPANOL

IVN	RAT	LD50	4200	mg/kg
ORL	MUS	LD50	11700	mg/kg
ORL	RAT	LDLO	3739	mg/kg

##### BASIC VIOLET 10

ORAL	MUS	LD50	887	mg/kg
ORAL	RAT	LD50	500	mg/kg

##### BASIC YELLOW 37

ORAL	RAT	LD50	<2000	mg/kg
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##### BASIC BLUE 26

ORAL	RAT	LD50	900	mg/kg
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##### Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated

#### Symptoms / routes of exposure

##### Skin contact:

There may be irritation and redness at the site of contact.

##### Eye contact:

There may be irritation and redness. The eyes may water profusely.

##### Ingestion:

There may be soreness and redness of the mouth and throat.

##### Inhalation:

There may be irritation of the throat with a feeling of tightness in the chest.

Exposure may cause coughing or wheezing.

##### Delayed / immediate effects:

Immediate effects can be expected after short-term exposure.



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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Hazardous ingredients:

##### BASIC VIOLET 10

BLUEGILL ( <i>Lepomis macrochirus</i> )	96H LC50	379	mg/l
Daphnia magna	48H EC50	22.9	mg/l
RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	217	mg/l
SHEEPSHEAD MINNOWS ( <i>Cyprinodon variegat</i> )	96H LC50	83.9	mg/l

##### BASIC YELLOW 37

Golden Orfe	96H LC50	1-10	mg/l
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##### BASIC BLUE 26

RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	<50	mg/l
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### 12.2 Persistence and degradability

**Persistence and degradability:** Not biodegradable.

### 12.3 Bioaccumulative potential

**Bioaccumulative potential:** Bioaccumulation potential.

### 12.4 Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5 Results of PBT and vPvB assessment

**PBT Identification:** This product is not identified as a PBT/vPvB substance.

### 12.6 Other adverse effects

**Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Solvent reclamation/regeneration.

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.



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## SECTION 14: Transport information

### 14.1 UN number

UN number: UN1210

### 14.2 UN proper shipping name

Shipping name: PRINTING INK

### 14.3 Transport hazard class(es)

Transport class: 3 (Irritant)

### 14.4 Packing group

Packing group: II

### 14.5 Environmental hazards

Environmentally hazardous: No                      Marine pollutant: No

### 14.6 Special precautions for user

Special precautions: No special precautions.

## SECTION 15: Regulatory information

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

15.2 Chemical Safety Assessment

## SECTION 16: Other information

### Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

- H225: Highly flammable liquid and vapour.
- H226: Flammable liquid and vapour.
- H302: Harmful if swallowed.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H336: May cause drowsiness or dizziness.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.
- R10: Flammable.
- R11: Highly flammable.
- R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
- R22: Harmful if swallowed.
- R36: Irritating to eyes.
- R41: Risk of serious damage to eyes.
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



R67: Vapours may cause drowsiness and dizziness.



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**Legend to abbreviations:**

- PNEC = predicted no effect concentration
- DNEL = derived no effect level
- LD50 = median lethal dose
- LC50 = median lethal concentration
- EC50 = median effective concentration
- IC50 = median inhibitory concentration
- dw = dry weight
- bw = body weight
- cc = closed cup
- oc = open cup
- MUS = mouse
- GPG = guinea pig
- RBT = rabbit
- HAM = hamster
- HMN = human
- MAM = mammal
- PGN = pigeon
- IVN = intravenous
- SCU = subcutaneous
- SKN = skin
- DRM = dermal
- OCC = ocular/corneal
- OPT = optical
- INH = inhalation
- PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.