



SAFETY DATA SHEET

PRODUCT: FX8001 Oil Black Ink FOENIX CODING  
DATE OF ISSUE: 25 June 2019 ISSUE : 1.1

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

Product code FX8001  
Product name FX8001 Oil Black Ink  
Product category Ink Product

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

Recommended use Printing operations

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

Foenix Coding Limited  
Hilltop Farm – The Barns  
Lyne lane, Lyne  
Chertsey  
KT16 0AW – Surrey - UK

**For further information, please contact**

Contact person +44 (0) 1932 701 449

**E-mail address**

sales@foenixcoding.com

**1.4 Emergency telephone number**

+44 (0) 1932 701 449

**Section 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

*According to Regulation (EC) No 1272/2008*

|                     |                     |
|---------------------|---------------------|
| Aspiration toxicity | Category 1 - (H304) |
|---------------------|---------------------|

**2.2 Label elements**



Signal Word  
Danger

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**Hazard Statements**

H304 - May be fatal if swallowed and enters airways

**Precautionary Statements**

P331 - Do NOT induce vomiting

P280 - Wear protective gloves/protective clothing/eye protection/face protection

**2.3 Other Hazards**

**General Hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

| Component  | EC No.                 | CAS-No     | Weight % | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH No.             | Note |
|--|------------------------|------------|----------|---|-----------------------|------|
| Distillates, petroleum, hydrotreated middle      | 265-148-2              | 64742-46-7 | 60 - 100 | Asp. Tox. 1 (H304)  | 01-2119489867-12-xxxx |      |
| Petroleum distillates, hydrotreated light        | 265-149-8              | 64742-47-8 | 10 - 30  | Asp. Tox. 1 (H304)  | 01-2119484819-18-xxxx | 1    |
| Carbon black                                     | 215-609-9<br>435-640-3 | 1333-86-4  | 5 - 10   | Not Classified  | 01-2119384822-32-xxxx | 1    |
| Distillates, petroleum, hydrodesulfurized middle | 265-183-3              | 64742-80-9 | 1 - 5    | Asp. Tox. 1 (H304)  | 01-2119480406-37-xxxx |      |

Note

REACH No: Registration number(s) may not be provided because substance(s) are exempted or not yet required to be registered under REACH

1. Substance with a Community workplace exposure limit

Full text of H- and EUH-phrases: see section 16

**Section 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

**Skin Contact**

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

**Inhalation**

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

**Ingestion**

Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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

None under normal use conditions.

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

**Notes to Physician**

Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES**

**5.1 Extinguishing media**

Suitable Extinguishing Media

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Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**  
 No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

**5.3 Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

**Section 6: ACCIDENTAL RELEASE MEASURES**

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

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**6.2 Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

**6.3 Methods and material for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

**6.4 Reference to other sections**

See Section 12 for more information.

**Section 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children.

**7.3 Specific end use(s)**

**Exposure scenario** No information available.  
**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**Exposure limits**

| Component                 | The United Kingdom                                      |
|---------------------------|---|
| Carbon black<br>1333-86-4 | STEL: 7 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup> |

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|   |   |
|---|---|
| <b>Component</b>  | <b>France</b>   |
| Carbon black<br>1333-86-4                               | TWA/VME: 3.5 mg/m <sup>3</sup>  |
| <b>Component</b>  | <b>Germany</b>  |
| Petroleum distillates, hydrotreated light<br>64742-47-8 | TWA/MAK: 5 mg/m <sup>3</sup> respirable fraction<br>TWA/MAK: 50 ppm<br>TWA/MAK: 350 mg/m <sup>3</sup><br>Peak: 20 mg/m <sup>3</sup> respirable fraction<br>Peak: 100 ppm<br>Peak: 700 mg/m <sup>3</sup> |
| <b>Component</b>  | <b>Spain</b>  |
| Carbon black<br>1333-86-4                               | TWA/VLA-ED: 3.5 mg/m <sup>3</sup>   |
| <b>Component</b>  | <b>Portugal</b>   |
| Carbon black<br>1333-86-4                               | TWA/VLE-MP: 3.5 mg/m <sup>3</sup>   |
| <b>Component</b>  | <b>Finland</b>  |
| Carbon black<br>1333-86-4                               | TWA: 3.5 mg/m <sup>3</sup><br>STEL: 7 mg/m <sup>3</sup>   |
| <b>Component</b>  | <b>Denmark</b>  |
| Carbon black<br>1333-86-4                               | TWA: 3.5 mg/m <sup>3</sup>  |
| <b>Component</b>  | <b>Switzerland</b>  |
| Petroleum distillates, hydrotreated light<br>64742-47-8 | TWA/MAK: 50 ppm vapour<br>TWA/MAK: 350 mg/m <sup>3</sup> vapour<br>TWA/MAK: 5 mg/m <sup>3</sup> aerosol, inhalable dust<br>STEL/KZW: 100 ppm<br>STEL/KZW: 700 mg/m <sup>3</sup>                         |
| <b>Component</b>  | <b>Poland</b>   |
| Carbon black<br>1333-86-4                               | TWA/NDS: 4 mg/m <sup>3</sup> inhalable fraction   |
| <b>Component</b>  | <b>Norway</b>   |
| Carbon black<br>1333-86-4                               | TWA: 3.5 mg/m <sup>3</sup>  |
| <b>Component</b>  | <b>Ireland</b>  |
| Carbon black<br>1333-86-4                               | TWA: 3 mg/m <sup>3</sup> inhalable fraction<br>STEL: 15 mg/m <sup>3</sup> inhalable fraction  |
| <b>Component</b>  | <b>Australia TWA</b>  |
| Carbon black<br>1333-86-4                               | TWA: 3 mg/m <sup>3</sup>  |

**Derived No Effect Level (DNEL)**

| <b>Component</b>   | <b>DNEL - Dermal (Workers)</b>    | <b>DNEL - Inhalation (Workers)</b>   |
|--|-----------------------------------|--|
| Carbon black<br>1333-86-4                                      | No data found                     | 2 mg/m <sup>3</sup><br>(Systemic long term)<br>2 mg/m <sup>3</sup><br>(Local long term)                  |
| Distillates, petroleum, hydrodesulfurized middle<br>64742-80-9 | 2.9 mg/kg<br>(Systemic long term) | 16.4 mg/m <sup>3</sup><br>(Systemic long term)<br>5,003 mg/m <sup>3</sup><br>(Systemic acute/short term) |

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2 Exposure controls**  
**Engineering Measures**

Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

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**Personal protective equipment**

**Eye/Face Protection**

Wear safety glasses with side shields (or goggles). If splashes are likely to occur. Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.

**Skin Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Hand Protection**

Chemical resistant protective gloves.  
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time): eg. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other  
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers. Taking into account the varying conditions, the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.  
Due to different glove types, the manufacturer's directions for use should be observed. Replace gloves immediately when torn or any change in appearance is noticed such as dimension, color, flexibility.

**Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

**Environmental exposure controls** No information available.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

|  |                          |                         |                          |
|--|--------------------------|-------------------------|--------------------------|
| <b>Physical State</b>                  | Liquid                   | <b>Appearance</b>       | Colored                  |
| <b>Odor</b>                            | No information available | <b>Odor Threshold</b>   | No information available |
| <b>Property</b>                        | <b>Values</b>            | <b>Remarks • Method</b> |                          |
| pH                                     |                          | No data available       |                          |
| Melting Point / Freezing Point         |                          | No data available       |                          |
| Boiling Point / Boiling Range          | > 149 °C / 300 °F        |                         |                          |
| Flash Point                            | > 94 °C / > 201 °F       | No data available       |                          |
| Evaporation rate                       |                          | No data available       |                          |
| Flammability Limit in Air              |                          |                         |                          |
| Upper flammability limit               |                          | No data available       |                          |
| Lower flammability limit               |                          | No data available       |                          |
| Vapor Pressure                         |                          | No data available       |                          |
| Vapor Density                          |                          | No data available       |                          |
| Specific Gravity                       | 0.84                     |                         |                          |
| Water Solubility                       |                          | No data available       |                          |
| Solubility in other solvents           |                          | No data available       |                          |
| Partition coefficient: n-octanol/water |                          | No data available       |                          |
| Autoignition Temperature               |                          | No data available       |                          |
| Decomposition temperature              |                          | No data available       |                          |

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Kinematic viscosity

No data available

Dynamic viscosity

No data available

Explosive Properties

No data available

Oxidizing Properties

No data available

## 9.2 Other information

Softening Point

No data available

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information available.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of Hazardous Reactions

None under normal processing.

### 10.4 Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

### 10.5 Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

### 10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

**Inhalation**

Specific test data for the substance or mixture is not available.

**Eye Contact**

Specific test data for the substance or mixture is not available.

**Skin Contact**

Specific test data for the substance or mixture is not available.

**Ingestion**

Specific test data for the substance or mixture is not available.

#### Unknown Acute Toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity.

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0 % of the mixture consists of ingredient(s) of unknown toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

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| Component  | Oral LD50             |
|--|-----------------------|
| Distillates, petroleum, hydrotreated middle<br>64742-46-7      | = 7400 mg/kg ( Rat )  |
| Petroleum distillates, hydrotreated light<br>64742-47-8        | > 5000 mg/kg ( Rat )  |
| Carbon black<br>1333-86-4                                      | > 15400 mg/kg ( Rat ) |
| Distillates, petroleum, hydrodesulfurized middle<br>64742-80-9 | > 5000 mg/kg ( Rat )  |

| Component  | Dermal LD50             |
|--|-------------------------|
| Distillates, petroleum, hydrotreated middle<br>64742-46-7      | > 2000 mg/kg ( Rabbit ) |
| Petroleum distillates, hydrotreated light<br>64742-47-8        | > 2000 mg/kg ( Rabbit ) |
| Distillates, petroleum, hydrodesulfurized middle<br>64742-80-9 | > 2000 mg/kg ( Rabbit ) |

| Component  | Inhalation LC50        |
|--|------------------------|
| Distillates, petroleum, hydrotreated middle<br>64742-46-7      | = 4.6 mg/L ( Rat ) 4 h |
| Petroleum distillates, hydrotreated light<br>64742-47-8        | > 5.2 mg/L ( Rat ) 4 h |
| Distillates, petroleum, hydrodesulfurized middle<br>64742-80-9 | = 4.6 mg/L ( Rat ) 4 h |

**Skin corrosion/irritation**  
**Eye damage/irritation**  
**Sensitization**  
**Mutagenic Effects**  
**Carcinogenic effects**  
**Reproductive Effects**

Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available.

**STOT - single exposure**  
**STOT - repeated exposure**  
**Aspiration hazard**

Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available.  
 Specific test data for the substance or mixture is not available. May be fatal if swallowed and enters airways. (based on components).

**Section 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Specific test data for the substance or mixture is not available.

**Unknown Aquatic Toxicity**

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Component  | Fish   |
|--|--|
| Distillates, petroleum, hydrotreated middle<br>64742-46-7      | 96h LC50 Pimephales promelas: = 35 mg/L (flow-through)<br>96h LC50 Pimephales promelas: > 10000 mg/L (static)  |
| Petroleum distillates, hydrotreated light<br>64742-47-8        | 96h LC50 Lepomis macrochirus: = 2.2 mg/L (static)<br>96h LC50 Pimephales promelas: = 45 mg/L (flow-through)<br>96h LC50 Oncorhynchus mykiss: = 2.4 mg/L (static) |
| Distillates, petroleum, hydrodesulfurized middle<br>64742-80-9 | 96h LC50 Pimephales promelas: = 35 mg/L (flow-through)   |

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**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6 Other adverse effects.**

No information available.

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Waste from residues/unused products** Contain and dispose of waste according to local regulations.

**Contaminated Packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Section 14: TRANSPORT INFORMATION**

**Note:** This information is not intended to convey all specific transportation requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

**ADR** Not Regulated  
14.2 **Proper Shipping Name** Printing Ink

**ICAO / IATA / IMDG / IMO** Not Regulated  
14.2 **Proper Shipping Name** Printing Ink

**Section 15: REGULATORY INFORMATION**

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

***European Union***

**International Inventories**

For further information, please contact: Supplier (manufacturer/importer/downstream user/distributor)



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**15.2 Chemical Safety Assessment**

No information available.

**Section 16: OTHER INFORMATION**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under sections 2 and 3**

H304 - May be fatal if swallowed and enters airways

**Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                                  |
|---------|----------------------------------|
| TWA     | TWA (time-weighted average)      |
| STEL    | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value              |

**Revision Date** Jun-25-2019

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**