


## Material Safety Data Sheet

Section 1. Product Information and Company Identification			
<b>Product name</b>	Phenanthroline		
<b>Mol. formula</b>	C <sub>12</sub> H <sub>8</sub> N <sub>2</sub> · H <sub>2</sub> O	<b>Cas no</b>	5144-89-8
<b>Mol. wt</b>	198,22 g/mol	<b>Cat no</b>	P010
<b>Manufacture name</b>	Pioneers for laboratory chemicals		
<b>Brand name</b>	Piochem		
<b>Address</b>	Area 540, Industrial Zone 6 <sup>th</sup> October city Giza, Egypt.		
<b>Website</b>	www.piochem.com		
<b>E-mail</b>	info@piochem.com		
<b>Phone number</b>	+201225728304 , +201023932115		

Section 2. Hazards Identification	
<p><b>Classification of the substance or mixture</b>  <b>Classification according to Regulation (EC) No 1272/2008</b>            Acute aquatic toxicity (Category 1), H400            Chronic aquatic toxicity (Category 1), H410 Acute toxicity, Oral (Category 3), H301  <b>Classification according to EU Directives 67/548/EEC or 1999/45/EC</b>            T Toxic R25            N Dangerous for the R50/53 environment</p>	
<p><b>Label elements</b>  <b>Labelling according Regulation (EC) No 1272/2008</b></p>	
	
<p>Pictogram      Acute toxicity      Hazardous to the aquatic environment</p>	
<p>Signal word      Danger</p>	
<p>Hazard statement(s)            H301 Toxic if swallowed.            H410 Very toxic to aquatic life with long lasting effects.</p>	
<p>Precautionary statement(s)            P273 Avoid release to the environment.            P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.            P501 Dispose of contents/ container to an approved waste disposal plant.</p>	
<p>Supplemental Hazard none</p>	
<p>Statements</p>	
<p><b>Other hazards - none</b></p>	



### Section 3. First Aid Measures

#### Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

##### In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

##### In case of eye contact

Flush eyes with water as a precaution.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

##### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling .

##### Indication of any immediate medical attention and special treatment needed

no data available.

### Section 4. Fire Fighting Measures

#### Extinguishing media

##### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

##### Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

##### Further information

no data available

### Section 5. Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.



**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Section 6. Handling and Storage****Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Store under inert gas.

**Specific end use(s)**

A part from the uses mentioned in other specific uses are stipulated.

**Section 7. Additional Information****Further information**

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 information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

