




# Material Safety Data Sheet

Section1. Product Information and Company Identification			
<b>Product name</b>	Chlorobenzene		
<b>Mol.formula</b>	C6H5Cl	<b>Cas no</b>	108-90-7
<b>Mol.wt</b>	112.56 g/mol	<b>Cat no</b>	C036
<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>Emergency Overview</b></p> <p><b>OSHA Hazards</b> Flammable liquid, Harmful by ingestion.</p> <p><b>Target Organs</b> Liver, Kidney, Central nervous system, Thymus., Spleen., Bone marrow, Lungs, Testes.</p> <p><b>GHS Classification</b> Flammable liquids (Category 3) Acute toxicity, Oral (Category 4) Acute toxicity, Inhalation (Category 4) Acute aquatic toxicity (Category 2) Chronic aquatic toxicity (Category 2)</p> <p><b>GHS Label elements, including precautionary statements</b></p> <div style="display: flex; align-items: center; margin-bottom: 10px;">    </div> <p>Pictogram</p> <p>Signal word <span style="margin-left: 150px;">Warning</span></p> <p>Hazard statement(s)</p> <p>H226 Flammable liquid and vapour.</p> <p>H302 + H332 Harmful if swallowed or if inhaled</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>Precautionary statement(s)</p> <p>P273 Avoid release to the environment.</p>



**HMIS Classification**

Health hazard: 1  
Flammability: 3  
Physical hazards: 0  
NFPA Rating

Health hazard: 2  
Fire: 3  
Reactivity Hazard: 0

**Potential Health Effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** Harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Ingestion** Harmful if swallowed.

**Section 3. First Aid Measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**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. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Section 4. Fire Fighting Measures****Conditions of flammability**

Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.

**Suitable extinguishing media**

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

**Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas.

**Further information**

Use water spray to cool unopened containers.



## Section 5. Accidental Release Measures

### Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 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

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

## Section 6. Handling and Storage

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## Section 7. Additional 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.

