



## Material Safety Data Sheet

Section 1. Product Information and Company Identification			
<b>Product name</b>	Perchloric Acid 70%		
<b>Mol.formula</b>	HClO <sub>4</sub>	<b>Cas no</b>	7601-90-3
<b>Mol.wt</b>	100,46 g/mol	<b>Cat no</b>	P007
<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	
<b>Classification of the substance or mixture</b>	
<b>Classification according to Regulation (EC) No 1272/2008</b>	
Oxidizing liquids (Category 1), H271	
Corrosive to metals (Category 1), H290	
Acute toxicity, Oral (Category 4), H302	
Skin corrosion (Category 1A), H314	
Specific target organ toxicity - repeated exposure (Category 2), Thyroid, H373	
<b>Classification according to EU Directives 67/548/EEC or 1999/45/EC</b>	
O Oxidising R 8	
C Corrosive R35	
Xn Harmful R22	
R 5	
<b>Label elements</b>	
<b>Labelling according Regulation (EC) No 1272/2008</b>	
	
Pictogram	Aspiration hazard Corrosive to metals Skin irritation Oxidising
Signal word	Danger
<b>According to European Directive 67/548/EEC as amended.</b>	
Hazard symbol(s) O Oxidising	
C Corrosive	
	
	Oxidising Corrosive to metals



**R-phrase(s)**

R 5 Heating may cause an explosion.

R 8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R35 Causes severe burns.

**S-phrase(s)**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**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**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Do NOT induce vomiting. 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.

#### Unsuitable extinguishing media

High volume water jet

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

Hydrogen chloride gas

#### Container explosion may occur under fire conditions.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

Use water spray to cool unopened containers.

## Section 5. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 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.

### Conditions for safe storage, including any incompatibilities

Store in cool place. 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. Storage class (TRGS 510): Strongly oxidizing hazardous materials

### Specific end use(s)

Apart 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.

