



## Material Safety Data Sheet

Section 1. Product Information and Company Identification			
<b>Product name</b>	Potassium Hydroxide solution		
<b>Mol. formula</b>	HKO	<b>Cas no</b>	1310-58-3
<b>Mol. wt</b>	56,11 g/mol	<b>Cat no</b>	P049
<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>            Corrosive to metals (Category 1), H290            Acute toxicity, Oral (Category 4), H302            Skin corrosion (Category 1A), H314</p> <p><b>Label elements</b>  <b>Labelling according Regulation (EC) No 1272/2008</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">   <small>Corrosive to metals</small> </div> <div style="text-align: center;">   <small>Skin Irritation</small> </div> </div> <p>Signal word            Danger</p> <p>Hazard statement(s)            H290 May be corrosive to metals.            H302 Harmful if swallowed.            H314 Causes severe skin burns and eye damage.</p> <p>Precautionary statement(s)            P280 Wear protective gloves/ protective clothing/ eye protection/ face            P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.            P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.            P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.            P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>	



Supplemental Hazard none  
Statements

**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.

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

Potassium oxides

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

Gives off hydrogen by reaction with metals.



## 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. Absorbs carbon dioxide (CO<sub>2</sub>) from air.

Air sensitive. strongly hygroscopic

Storage class (TRGS 510): Non-combustible, corrosive 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.

