


## Material Safety Data Sheet

Section1. Product Information and Company Identification			
<b>Product name</b>	Manganese oxide		
<b>Mol.formula</b>	MnO <sub>2</sub>	<b>Cas no</b>	1313-13-9
<b>Mol.wt</b>	86,94 g/mol	<b>Cat no</b>	M018
<b>Manfactre name</b>	Pioneers for laboratory chemicals		
<b>Brand name</b>	Piochem		
<b>Adress</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>            Classification according to Regulation (EC) No 1272/2008            Acute toxicity, Oral (Category 4), H302            Acute toxicity, Inhalation (Category 4), H332            Classification according to EU Directives 67/548/EEC or 1999/45/EC            Xn Harmful R20/22</p>	
<p><b>Label elements</b>            Labelling according Regulation (EC) No 1272/2008            Pictogram</p>	
	
Signal word	Warning
<p><b>Hazard statement(s)</b>            H302 + H332 Harmful if swallowed or if inhaled</p>	
<p>Precautionary statement(s) none</p>	
<p>Supplemental Hazard none</p>	
<p>Statements</p>	
<p><b>Other hazards</b>            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</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. 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

Manganese/manganese oxides

#### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

#### Further information

No data available.

### Section 5. Accidental Release Measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure

adequate ventilation. Avoid breathing dust

#### Environmental precautions

Do not let product enter drains

#### 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.

Storage class (TRGS 510): Non Combustible Solids

### 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.

