





## Material Safety Data Sheet

Section1. Product Information and Company Identification			
<b>Product name</b>	Mercury chloride		
<b>Mol.formula</b>	Hg <sub>2</sub> CL <sub>2</sub>	<b>Cas no</b>	10112-91-1
<b>Mol.wt</b>	472,09 g/mol	<b>Cat no</b>	M024
<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>Toxic</b> Acute toxicity (oral, dermal, inhalation), category 1 Acute toxicity (oral, dermal, inhalation), category 2
	<b>Environmentally Damaging</b> Chronic hazards to the aquatic environment, category 2 Acute hazards to the aquatic environment, category 1
	<b>Corrosive</b> Skin corrosion, category 1B Serious eye damage, category 1
	<b>Health hazard</b> Germ cell mutagenicity, category 2 Reproductive toxicity, category 2



Specific target organ toxicity following repeated exposure, category 1

Acute Oral Tox. 2 Acute Dermal Tox. 1 Skin Corr. 1B  
Eye corr. 1 Muta. 2 Repr. 2STOT RE 1  
Aquatic Acute 1  
Aquatic Chronic 1

**Signal word** :Danger

**Hazard statements**: Fatal if swallowed

Fatal in contact with skin  
Causes severe skin  
burns and eye damage  
Suspected of causing  
genetic defects  
Suspected of damaging fertility or the unborn child  
Causes damage to organs through  
prolonged or repeated exposure Very toxic  
to aquatic life with long lasting effects

**Precautionary statements**:

If medical advice is needed, have product  
container or label at hand Keep out of reach  
of children Read label before use

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Do not breath dust/fume/gas/mist/vapours/spray

Do not get in eyes, on skin, or on clothing Wash skin thoroughly after handling

Do not eat, drink or smoke when using this product Avoid release to the  
environment Wear protective gloves/protective clothing/eye

protection/face protection IF SWALLOWED: Immediately call a POISON  
CENTER or doctor/physician Collect spillage

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

IF ON SKIN (or hair): Remove/Take off immediately all contaminated  
clothing. Rinse skin with water/shower IF INHALED: Remove victim to  
fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

Specific measures (see supplemental first  
aid instructions on this label) Remove/Take  
off immediately all contaminated clothing

Wash contaminated clothing before reuse Store locked up

Dispose of contents and container to an approved waste disposal plant.

### Section 3. First Aid Measures

#### Description of first aid measures

After inhalation: Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Loosen clothing and place exposed in a comfortable



.position. Seek medical assistance if cough or other symptoms appear  
After skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician  
After eye contact: Protect unexposed eye. Flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing. Get medical attention immediately  
**After swallowing:** Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical aid immediately and call Poison Control Center

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

May cause muscle tremor and impaired motor function. May cause cardiac disturbances. Severe over-exposure can produce lung damage, choking, unconsciousness or death. Shortness of breath. Headache. Nausea. Dizziness. Irritation/burns, all routes of exposure. Can cause ulceration of the conjunctiva and cornea. May cause allergic contact dermatitis. Causes gastrointestinal irritation with nausea, vomiting and diarrhea

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

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically. The concentration of mercury in whole blood is a reasonable measure of the bodyburden of mercury and thus is used for monitoring purposes. The use of Dimercaprol or BAL or d-Penicillamine as a chelating agent should be determined by qualified medical personnel. Persons with kidney disease, chronic respiratory disease, liver disease, or skin disease may be at increased risk. Get medical aid immediately and call Poison Control Center.

#### Section 4. Fire Fighting Measures

**Extinguishing media Suitable extinguishing agents:**

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

**For safety reasons unsuitable extinguishing agents:**

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

Irritating and highly toxic gases may be generated by thermal decomposition or combustion. Hydrogen chloride gas, Mercury/mercury oxides.

**Advice for firefighters:**

**Protective equipment:** Wear protective eyewear, gloves, and clothing.

**Additional information (precautions):** Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

#### Section 5. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation. Ensure that air-handling systems are operational. Avoid contact with skin, eyes and clothing.



**Environmental precautions:**

Should not be released into environment. Prevent from reaching drains, sewer, or waterway.

**Methods and material for containment and cleaning up:**

Wear protective eyewear, gloves, and clothing. obey local regulations. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Containerize for disposal.

## Section 6. Handling and Storage

**Precautions for safe handling:**

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Do not eat, drink, smoke, or use personal products when handling chemical substances. Do not breathe dust, mist, or vapor. Do not ingest or inhale. Extreme care should always be taken to prevent skin and gastrointestinal absorption because these routes of entry can greatly increase the total body burden

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

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials. Light Sensitive. moisture sensitive.

## Section 7. Additional Information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

