



AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: June 2024

---

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

---

Product Name: Barium Chloride 1 M  
Product Code: 1882  
Other Names: Barium Chloride 2 N  
Uses: Analytical Reagent

**Manufacturer Details:**

POWERCHEM –Qewaisna –Menofia Egypt

**Emergency telephone number:**

(+2)01117366722

WWW.POWERFINECHEMICAL.COM

---

**2. HAZARDS INFORMATION**

**GHS Classification** Acute Toxicity - Inhalation: Category 4  
Acute Toxicity - Oral: Category 3

**Signal Word(s)** DANGER  
**Pictogram(s)**



**Hazard Statement (s)** H301 Toxic if swallowed.  
H332 Harmful if inhaled.

**Precautionary Statement(s)  
Preventative**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.

**Response**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P330 Rinse mouth.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel



**POWER CHEMICAL**

unwell.

**Storage**

P405 Store locked up.



---

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

---

**Ingredients :**

Chemical Entity	CAS No	Proportion
Barium chloride	[10361-37-2]	12%
Water	[7732-18-5]	to 100%

---

### 4. FIRST AID MEASURES

---

Safety showers and eye wash facilities should be provided.

**Swallowed :**

If conscious wash out mouth with water. Seek medical advice. Show this SDS to medical practitioner.

**Eye :**

Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this SDS to medical practitioner.

**Skin :**

Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice if irritation persists. Show this SDS to medical practitioner. Launder clothing before reuse.

**Inhaled :**

Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this SDS to a doctor.

---

### 5. FIRE FIGHTING MEASURES

---

**Suitable Extinguishing Media:**

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**Hazards From Combustion Products:**

Solution will not burn or support combustion. Decomposition products include barium oxide.

**Precautions For Fire Fighters and Special Protective Equipment:**

Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-piece, operated in positive pressure mode when fighting fires.

**Hazchem Code:** 2X

---

### 6. ACCIDENTAL RELEASE MEASURES

---

**Emergency procedures:**

Prevent from entering waterways. Restrict access to area. Remove chemicals that can react with the spilled material.

**Methods and materials for containment and clean up:**

Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

---

### 7. HANDLING AND STORAGE

---

**Precautions for Safe Handling:**

Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

**Conditions for Safe Storage:**

Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

---

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

**National Exposure Standards:**

Safe Work Australia – Barium (soluble compounds as Ba) 0.5mg/m<sup>3</sup> (TWA)



**Biological Limit Values:** No data available.

**Engineering Controls:**

Not required with normal use. If mists are likely to be generated maintain atmospheric concentrations well below exposure standards with extraction ventilation.

**Personal Protective Equipment (PPE):**

The use of nitrile or neoprene gloves complying with AS 2161 and the use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance :</b>	Clear liquid
<b>Odour:</b>	Nil
<b>pH:</b>	7
<b>Boiling Point (°C) :</b>	100
<b>Freezing/melting Point:</b>	0
<b>Vapour Pressure (mm of Hg @ 25°C) :</b>	Not applicable
<b>Vapour Density:</b>	Not applicable
<b>Specific Gravity :</b>	1
<b>Flash Point (°C) :</b>	Not flammable
<b>Flammability Limits (%) :</b>	Not flammable
<b>Solubility in Water (g/L) :</b>	Soluble

---

**10. STABILITY AND REACTIVITY**

**Chemical stability:**

Stable.

**Conditions to avoid:**

Excessive heat

**Incompatible materials:**

Sulphates

**Hazardous decomposition products:**

Refer to section 5 (Fire Fighting Measures).

**Hazardous reactions:**

Hazardous polymerization will not occur.

---

**11. TOXICOLOGICAL INFORMATION**

**Health Effects:**

**Swallowed :** May be harmful if large quantities swallowed. May irritate gastric system and result in nausea and vomiting. . For barium chloride LDLo oral human 11.4 mg/kg oral rat LD50 118 mg/kg

**Eye :** Irritating to eye tissue.

**Skin :** Irritating to skin. May be harmful by skin absorption.

**Inhaled :** Aerosols or mists are irritating to mucous membranes and upper respiratory tract.

**Chronic Effects:** No data available.

---

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

No data available.

**Persistence and degradability:**

No data available.

**Mobility:**

No data available.



---

### **13. DISPOSAL CONSIDERATIONS**

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

---

### **14. TRANSPORT INFORMATION**

**UN Number:** 3287

**UN Proper Shipping Name:** Toxic liquid, inorganic, (Barium chloride)

**Class and subsidiary risk(s):** 6

**Packing Group:** 11

**Hazchem Code:** 2X

**Special precautions for user :** Nil

---

### **15. REGULATORY INFORMATION**

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP):**

Schedule 6

---

### **16. OTHER INFORMATION**

**Disclaimer:**

All information given by the Company is offered in good faith and is believed to the best of our knowledge to be accurate. However this information is offered without warranty representation inducement or licence and the Company does not assume legal responsibility for reliance upon the same.

Every person dealing with the materials referred to herein does so at his or her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

END of SDS