



Serving Scientific Community  
Since 1985



**TECHNO PHARMCHEM**

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

## POTASSIUM BROMATE MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product form : Substance  
CAS No : 7758-01-2  
Product code : 39181, 32589

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial  
For professional use only :  
Use of the substance/mixture : Laboratory Reagent

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem  
Plot No.1022, Modern Industrial Estate,  
Bahadurgarh-124507, India  
T +91 11 23646422  
info@technopharmchem.com

#### 1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]

Oxidizing solids, H271

Category 1

Acute toxicity (oral), H301

Category 3

Carcinogenicity, Category H350

1 A

Full text of H- statements: see section 16

Classification according to directive 67/548/EEC [DSD] or 1999/45/EC

Carc. Cat 1.; R45

O; R9

T; R25

Full text of R-phrases: see section 16

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## Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazard statements (CLP)	:	H271 – Strong oxidizer H301 – Toxic if swallowed H350 – May cause cancer
Precautionary statements (CLP)	:	P201 – Obtain special instructions before use P220 – Keep /store away from clothing/ ..../combustible materials P301+P310 – IF SWALLOWED: Immediately call a doctor /physician P308+P313 – IF exposed or concerned: Get medical advice/attention.

### 2.3. Other hazards

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Name	:	POTASSIUM BROMATE
CAS No	:	7758-01-2

Full text of R- and H- statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

First – aid measures after inhalation	:	Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.
First – aid measures after skin contact	:	Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First – aid measures after eye contact	:	Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.If eye irritation persists: Get medical advice/attention.
First – aid measures after ingestion	:	Rinse mouth. Obtain emergency medical attention, immediately call a doctor/physician. Specific treatment (see... on this label)

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#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder, alcohol – resistant foam, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : Do not use a heavy water steam.

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

Fire hazard : May cause fire or explosion; strong oxidizer.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.  
Emergency procedures : Stop release.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clear up rapidly by scoop or vacuum.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precaution for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing.  
Hygiene measures : Do not eat, drink or smoke when using this product.  
Wash thoroughly after handling.

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## 7.2. Conditions for safe storage, including any compatibilities

Storage conditions : Store in original container. Keep container tightly closed Store in a dry place Protect from moisture.

## 7.3. Specific end use (s)

No additional information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Hand protection : Protective gloves  
Eye protection : Chemical goggles or safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : Wear respiratory protection.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Color : White crystalline  
Odor : odorless  
Odor threshold : No data available  
pH : 5 - 9  
Relative evaporation rate (butylacetate=1) : No data available  
Melting Point : 350°C  
Freezing point : No data available  
Boiling point : 370°C  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (Solid, gas) : No data available  
Vapor pressure : No data available  
Relative vapor density at 20°C : 5.8  
Relative density : No data available  
Density : 3.27 g/cm<sup>3</sup>  
Solubility : Water: 16.7 g/l at 20°C  
Log pow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Explosive limits : No data available

### 9.2. Other information

No additional information available

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## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No additional information available

### 10.2. Chemical Stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture. Overheating. Open flame, heat. Sparks

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity	:	Oral: Toxic if swallowed.
Skin corrosion/irritation	:	Not classified
		pH : 5.9
Serious eye damage/irritation	:	Not classified
		pH: 5.9
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	May cause cancer
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified
Potential adverse human health effects and symptoms	:	Toxic if swallowed

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

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## SECTION 16: OTHER INFORMATION

### Full text of H-statements referred to under sections 2 and 3.

Acute Tox	Acute toxicity
Carc.	Carcinogenicity
H271	Strong oxidizer
H301	Toxic if swallowed.
H350	May cause cancer.
Ox. Sol.	Oxidizing solids

### Full text of R-phrases referred to under sections 2 and 3

O	Oxidizing
T	Toxic
R25	Toxic if swallowed
R45	May cause cancer.

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