

**MATERIAL SAFETY DATA SHEET**  
**NOT Hazardous according to criteria of Worksafe Australia**

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**Date of Issue : Oct 1999**

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**1. IDENTIFICATION**

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**General**

Product Name : POTASSIUM BROMIDE

Other Names : POTASSIUM BROMIDE

UN No. : N/A

Dangerous Goods Class : None Allocated

Subsidiary Risk : None Allocated

Hazchem Code : N/A

Pack Group : 0

EPG : N/A

Poisons Schedule : 4

Uses :

Photography (gelatin bromide papers & plates), process engraving & lithography, special soaps, spectroscopy, infra red transmission, lab reagent.

**1.1 Physical Description / Properties**

Appearance : White crystalline granules or powder; pungent, strong, bitter, saline taste.

Formula : KBr

Boiling Point : 1435 deg C

Melting Point : 730 deg C

Vapour Pressure : N/A

Specific Gravity : 2.75 (water = 1)

Flash Point : N/A

pH : N/A ( )

Solubility in water : Sol. g/l (25 deg C)

Flammability Limits (as percentage volume in air)

Lower Explosion Limit : N/A

Upper Explosion Limit : N/A

### 1.2 Other Properties

Solubility in water: 4.49 mol/100g @ 0 deg C. Somewhat hygroscopic. Soluble in glycerol, slightly soluble in alcohol and ether.

### 1.3 Ingredients

Chemical Entity	CAS No.	Proportions (%)
POTASSIUM BROMIDE	[ 7758-02-3]	100

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## 2. HEALTH HAZARD INFORMATION

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### 2.1 Health Effects - Acute

#### Swallowed

Ingestion will cause irritation.

#### Eye

May be irritative to the eyes.

#### Skin

May cause slight skin irritation.

#### Inhaled

May cause slight irritation.

### 2.2 Health Effects - Chronic

No information available.

### 2.3 First Aid

#### Swallowed

Induce vomiting. Seek medical attention.

#### Eye

Flood eye with clean water for at least 15 minutes - retract the eyelids often. Seek medical attention.

### **Skin**

Remove all contaminated clothing including footwear. Wash contaminated area thoroughly with soap and water. Seek medical attention if symptoms persist.

### **Inhaled**

Remove to fresh air, avoid becoming casualty. If not breathing apply artificial respiration. If symptoms persist, seek medical attention.

### **First Aid Facilities**

Ensure an eye bath and safety shower available and ready for use.

### **2.5 Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

### **2.6 Toxicity Data**

No information available.

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## **3. PRECAUTIONS FOR USE**

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### **3.1 Exposure Standards**

None established.

### **3.2 Engineering Controls**

Ensure adequate ventilation to keep airborne concentrations low.

### **3.3 Personal Protection**

Use a dust respirator, full protective clothing including footwear and PVC gloves. Safety goggles.

### **3.4 Flammability**

Difficult to ignite - essentially non flammable.

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## **SAFE HANDLING INFORMATION**

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### **4.1 Storage / Transport**

Store in a dry, cool place away from direct sunlight. Keep in tightly sealed containers. Keep away from foodstuffs, strong acids and oxidizing agents.

### **4.2 Packaging / Labelling**

UN No. N/A

Class None Allocated

Sub Risk None Allocated

Hazchem Code N/A

Pack Group 0

EPG No. N/A

Shipping Name POTASSIUM BROMIDE

Hazard

## **Risk Phrases**

## **Safety Phrases**

S24/25 Avoid contact with skin and eyes.

## **4.3 Spills and Disposal**

### **Spills**

Clean up personnel should wear suitable protective clothing. Avoid raising dusts.

Recover uncontaminated material for later reuse. Shovel spilled material into sealable containers for later disposal. After pickup complete, wash down spill site with copious amounts of water.

### **Disposal**

Dispose according to all local, state and federal regulations.

## **4.4 FIRE AND EXPLOSION HAZARD**

### **Fire / Explosion**

Products of decomposition include toxic fumes of bromine. Strong oxidizing agent in the presence of combustibles. It is shock sensitive and has extremely high explosion potential. Will burn very quickly once ignited.

### **Extinguishing Media**

Firefighters should wear full protective clothing including self contained breathing apparatus. Use extinguishing media suitable to burning media.

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## **5 OTHER INFORMATION**

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## Other Information

No information available.

### 5.1 Contact Points

Organisation	Location	Telephone	Ask For
Redox Chemicals Pty Ltd	Wetherill Park NSW	02-97255155	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	