

**Section I. Chemical Product**

Product Name : CALCIUM BROMIDE  
Supplier : UPCHEMY FZE  
DUBAI, UAE

**Section II. Composition and Information on Ingredients**

Name	CAS #	% by Weight	TLV/PEL	LC50/LD50
Calcium Bromide	7789-41-5	52	N/A	LD50= 4000 mg/kg

**Section III. Hazards Identification**

Emergency overview Causes irritation to skin, eyes, and gastrointestinal and respiratory tracts.  
May cause permanent eye damage.

Eye contact : Causes severe irritation to eyes.

Skin : Causes irritation to skin.

Inhalation : Causes irritation to the respiratory tract.

Ingestion : Causes irritation of the mouth, throat, and stomach. May cause abdominal pain, vomiting, nausea, and diarrhea.

Chronic exposure : Repeated excessive ingestion may cause central nervous system effects.

**Section IV. First Aid Measures**

Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention immediately.

Skin Contact : Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing and thoroughly clean shoes before reuse.

Inhalation : Remove to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion : If swallowed, DO NOT INDUCE VOMITING. Slowly dilute with 1-2 glasses of milk or water.

Never give anything by mouth to an unconscious person. Get medical attention immediately.

## **Section V. Fire and Explosion Data**

Fire : This material is not considered to be a fire hazard.  
Explosion : Not considered to be an explosion hazard.

### **Fire Fighting Media and Instructions**

Water fog, carbon dioxide, foam, dry chemical.

### **Special Exposure Hazards -**

Decomposition in fire may produce toxic gases.

### **Special Information In the event of a fire -**

Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

## **Section VI. Accidental Release Measures**

Leak/Spill Do not touch spilled material. Stop leak if you can without risk. For small spills, take up with sand or other absorbent material and place in containers for disposal. Move containers from spill area. For larger spills, dike far ahead of the spill for later disposal. Keep unnecessary people away. Isolate hazard area and deny entry.

## **Section VII. Handling and Storage**

Handling Avoid contact with eyes, skin, or clothing. Wash hands after use.

Storage Keep in a tightly closed container. Store in a cool, dry location away from incompatibles.

## **Section VIII. Exposure Controls/Personal Protection**

Ventilation System Provide local exhaust ventilation where dust or mist may be generated.

Personal Protection Wear chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eyewash fountain and quick-drench facilities in work area.

Wear appropriate protective clothing to prevent skin contact.

## **Section IX. Physical and Chemical Properties**

Odor: Odorless  
Physical state and Appearance Clear liquid

Color: Clear  
Specific Gravity 1.70-1.73 @ 25°C  
pH 6-8.5

#### **Section X. Stability and Reactivity Data**

Stability : Stable under ordinary conditions of use and storage  
Incompatibilities : Strong oxidizers and strong acids.  
Hazardous decomposition products May include toxic and corrosive fumes of hydrogen bromide and/or bromine.  
Conditions to avoid Vapors may accumulate in tanks and hopper cars.

#### **Section XI. Toxicological Information**

Primary Routes of Exposure -  
Eye and skin contact; inhalation of dust; ingestion.

Toxic Effects on Humans  
Irritation possible to skin, eyes, and respiratory and gastrointestinal tracts. Moderately toxic by ingestion, slightly toxic by dermal absorption.

#### **Section XIV. Transport Information**

UN number  
ADR/RID: - IMDG: - IATA: -  
UN proper shipping name  
ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods  
Transport hazard class(es)  
ADR/RID: - IMDG: - IATA: -  
Packaging group  
ADR/RID: - IMDG: - IATA: -  
Environmental hazards  
ADR/RID: no IMDG Marine pollutant: no IATA: no

#### **Section XV. Other Regulatory Information**

WHMIS (Canada) Classification D-2B Other Classifications  
Canadian DSL Inventory Status This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## **Section XVI. Other Information**

The statements, informations and data provided in this MSDS are believed reliable and accurate by UPCHEMY FZE Inc and its responsible personnel, however no other guarantee, representation, warranty or responsibility is expressed or implied to any user, regardless of reliance on all or any part thereof. This includes warranty of merchantability or of fitness for a particular purpose, assumes no responsibility whatsoever for advice or recommendations made. Nothing contained herein should be interpreted as permission, inducement.

