



# SAFETY DATA SHEET

ProChemOnline.com



## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Platinum (II) bromide**

PRODUCT NUMBER: 2872

CAS NUMBER: 13455-12-4

SYNONYMS: Platinous bromide

### MANUFACTURER:

Prochem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

PHONE: 815-398-1788  
FAX: 815-398-1810  
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not classified as a hazardous substance according to GHS

### HMS CLASSIFICATION:

Health: 1 Flammability: 0 Physical Hazard: 0

### NFPA RATING:

Health: 1 Fire: 0 Reactivity Hazard: 0

**EYE CONTACT:** Causes moderate irritation of the eyes.

**SKIN CONTACT:** Causes moderate irritation of the skin and dermatitis. Contact through a break in the skin can induce an allergic reaction.

**INHALATION:** Irritating to the respiratory tract. Inhalation of dust may cause wheezing, coughing, shortness of breath, and asthma like symptoms.

**INGESTION:** Ingestion may lead to dizziness, abdominal cramps, and vomiting.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: PtBr<sub>2</sub>

Molecular Weight: 354.91

CHEMICAL NAME	CAS#	%
Platinum (II) Bromide	13455-12-4	100

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

## SECTION 4 FIRST AID MEASURES (Cont.)

**SKIN EXPOSURE:** Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. Give oxygen if deemed necessary. If not breathing administer CPR. Get emergency care immediately.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water. Induce vomiting only if directed by medical personnel.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Product is not flammable

**AUTO IGNITION TEMPERATURE:** No data

**EXPLOSION LIMITS:** No data

**EXTINGUISHING MEDIUM:** Use fire fighting measures that suit the surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Hydrogen bromide gas

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Wear appropriate respiratory and protective equipment to avoid all exposure to with the material.

**ENVIRONMENTAL PRECAUTIONS:** Do not let enter drains or allow to be released into the environment.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** To avoid raising dust, small spills may be mixed with diatomaceous earth, sand, or vermiculite and swept up.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Wear proper personal protective equipment. Ensure adequate ventilation. Avoid dust formation.

**CONDITIONS FOR SAFE STORAGE:** Keep container tightly closed and store in a cool and dry area.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EYE PROTECTION:** Always wear approved safety glasses with side shields, safety goggles, or face shield when handling a chemical substance in the laboratory.

**SKIN PROTECTION:** Chemical resistant gloves.

**VENTILATION:** Handle in an efficient chemical fume hood.

**RESPIRATOR:** Approved NIOSH dust respirator.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** Dark green to brown powder

**MOLECULAR WEIGHT:** 354.91

**BOILING POINT:** No data

**MELTING POINT:** 250° C (dec.)

**SPECIFIC GRAVITY:** 6.65 gm/ml

**VAPOR PRESSURE:** No data

**SOLUBILITY:** Insoluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** None known

**INCOMPATIBILITY:** Chlorine and active metals

**DECOMPOSITION PRODUCTS:** Hydrogen bromide gas and platinum oxide

## **SECTION 11 TOXICOLOGICAL DATA**

**RTECS:** No data

**CARCINOGENIC EFFECTS:** No components of this product present at levels greater than or equal to 0.1% is identified as a confirmed carcinogen.

**MUTAGENIC EFFECTS:** No data

**TETRATOGENIC EFFECTS:** No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

## **SECTION 12 ECOLOGICAL DATA**

No information available

## **SECTION 13 DISPOSAL CONSIDERATIONS**

Dispose of in according to local, state, and federal regulations.

## **SECTION 14 TRANSPORTATION DATA**

Non-hazardous material

## **SECTION 15 REGULATORY INFORMATION**

**TSCA:** No information found

**SARA (TITLE 313):** No information found

## **SECTION 16 OTHER INFORMATION**

**DISCLAIMER:** The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

**DATE PREPARED:** 06/14