

MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

Manufacturer: ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

Phone: (815) 398-1788
Fax: (815) 398-1810
E-Mail: Prochem1@aol.com

SECTION 1 Product Identification

CHEMICAL NAME: Platinum (II) bromide

CAS #: 13455-12-4

FORMULA: PtBr₂

SYNONYM: Platinous bromide

SECTION 2 Composition and Information on Ingredients

| INGREDIENT: | CAS # | % | ACGIH (TWA) | OSHA (PEL) |
|----------------|------------|-----|-------------|------------|
| Title Compound | 13455-12-4 | 100 | no data | no data |

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Irritating to skin, eyes and respiratory tract. Exposure to platinum salts has been shown to cause wheezing, coughing, shortness of breath and running of the nose. Skin contact can lead to dermatitis.

PRIMARY ROUTES OF EXPOSURE: Ingestion, skin, inhalation of dust

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.

CHRONIC HEALTH EFFECTS: The chloroplatinate allergic reaction known as platinosis ceases when exposure is terminated. No permanent long term effects are reported.

ACUTE HEALTH EFFECTS: Irritating to skin, eyes and respiratory tract. Upon repeated exposure certain persons may develop an allergic reaction to chloroplatinates, causing wheezing, coughing, shortness of breath and runny nose.

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.

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. In such cases seek immediate medical assistance.
INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 Firefighting Measures

FLASH POINT: not applicable
AUTO IGNITION TEMPERATURE: none
EXPLOSION LIMITS: none
EXTINGUISHING MEDIUM: none required
SPECIAL FIREFIGHTING 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: none
UNUSUAL FIRE OR EXPLOSION HAZARDS: No unusual fire or explosion hazards.

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: To avoid raising dust, small spills may be mixed with diatomaceous earth, sand, vermiculite other suitable inert material and swept up.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store material in a tightly sealed container .

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemicals substance in the laboratory.
SKIN PROTECTION: Chemical-resistant.
VENTILATION: If possible, handle the material in an efficient fume hood.
RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: brown powder
MOLECULAR WEIGHT: 354.91
MELTING POINT (DEG. C.): none
BOILING POINT: no data
VAPOR PRESSURE: no data
SPECIFIC GRAVITY: 6.65
SOLUBILITY IN WATER: insoluble

SECTION 10 Stability and Reactivity

STABILITY: air and moisture stable

HAZARDOUS POLYMERIZATION: no hazardous polymerization
CONDITIONS TO AVOID: none
INCOMPATIBILITY: chlorine and active metals
DECOMPOSITION PRODUCTS: none

SECTION 11 Toxicological Information

RTECS DATA: No information available in the RTECS files
MUTAGENIC EFFECTS: no data
TETRATOGENIC EFFECTS: no data
CARCINOGENIC EFFECTS: no data

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

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

Non-hazardous

Non-hazardous

SECTION 15 Regulatory Information

TSCA: Listed in the TSCA inventory
SARA (TITLE 313): Title compound not listed.

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: 1 /06