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: MERCURY (I) CHLORIDE
CAS #: 10112-91-1
FORMULA: Hg2C12

SECTION 2  Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS #</th>
<th>%</th>
<th>ACGIH (TWA)</th>
<th>OSHA (PEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title Compound</td>
<td>10112-91-1</td>
<td>100</td>
<td>0.1mg/m3</td>
<td>0.1mg/m3</td>
</tr>
</tbody>
</table>

SECTION 3  Hazards Identification

EMERGENCY OVERVIEW: HIGHLY TOXIC by ingestion, inhalation. Harmful if swallowed. Irritating to eyes, skin and respiratory system.

PRIMARY ROUTES OF EXPOSURE: Ingestion, inhalation

EYE CONTACT: Dust causes severe irritation of the eyes.

SKIN CONTACT: Causes irritation of the skin.

INHALATION: Irritating to mucous membranes and upper respiratory tract.

INGESTION: Harmful if swallowed.

CHRONIC HEALTH EFFECTS: Nerotoxic effects, possible mutagen., neurological hazard.

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:  not applicable
EXPlosion LIMITS:  not applicable
EXTINGUISHING MEDIUM:  Use triclosan, dry chemical.
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:  May emit toxic fumes of Hg and HCL.
UNUSUAL FIRE OR EXPLOSION HAZARDS:  no data

SECTION 6  Accidental Release Measures

SPILL AND LEAK PROCEDURES:  In the case of a spill, evacuate area, wear adequate protective gear, sweep up and place in a well-marked container for disposal. Avoid raising dust. Ventilate area.

SECTION 7  Handling and Storage

HANDLING AND STORAGE:  Store material in a tightly sealed container. Store in a cool, dry area. Protect from light. Material is light sensitive.

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:  white odorless powder
MOLECULAR WEIGHT:  472.09
MELTING POINT (DEG. C.):  400 (sublimes)
BOILING POINT:  no data
VAPOR PRESSURE:  not applicable
SPECIFIC GRAVITY:  7.15
SOLUBILITY IN WATER:  0.0023 g/l (220deg. C.)

SECTION 10  Stability and Reactivity

STABILITY:  stable
HAZARDOUS POLYMERIZATION:  will not occur
CONDITIONS TO AVOID:  light sensitive
INCOMPATIBILITY: Strong oxidizing and reducing agents.
DECOMPOSITION PRODUCTS: Toxic fumes of Hg and HCl

SECTION 11 Toxicological Information

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: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13 Disposal Considerations

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

SECTION 14 Transportation Information

(Mercury chloride), Class. 6.1 UN2025, PG II

SECTION 15 Regulatory Information

TSCA: Listed in the TSCA inventory
SARA (TITLE 313): Title compound 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: 10/05