# Material Safety Data Sheet

## Section I. Product and Company Identification

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>Quinine Sulfate USP Dihydrate</td>
</tr>
<tr>
<td>Commercial Name</td>
<td>Not available</td>
</tr>
<tr>
<td>Item Code</td>
<td>30-1588</td>
</tr>
<tr>
<td>CAS#</td>
<td>6119-70-6</td>
</tr>
<tr>
<td>Synonym(s)</td>
<td>6′-Methoxycoinchon-9-o1 sulfate</td>
</tr>
<tr>
<td>RTECS</td>
<td>VA84400000</td>
</tr>
<tr>
<td>In case of emergency contact:</td>
<td>CHEMTREC (24hr) 1-800-424-9300</td>
</tr>
<tr>
<td>Supplier</td>
<td>PCCA</td>
</tr>
<tr>
<td>Address</td>
<td>9901 South Wilcrest</td>
</tr>
<tr>
<td>City</td>
<td>Houston</td>
</tr>
<tr>
<td>State</td>
<td>TX</td>
</tr>
<tr>
<td>ZIP code</td>
<td>77099</td>
</tr>
<tr>
<td>Phone</td>
<td>1-800-331-2498</td>
</tr>
<tr>
<td>Fax</td>
<td>1-800-874-5760</td>
</tr>
</tbody>
</table>

## Section II. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS#</th>
<th>% by Weight</th>
<th>TLV/FEL</th>
<th>LC/50/LD/50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quinine Sulfate Dihydrate</td>
<td>6119-70-6</td>
<td>100</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

## Section III. Hazards Identification

**Potential Acute Health Effects**
- Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

**Potential Chronic Health Effects**
- CARCINOGENIC EFFECTS: Not available.
- MUTAGENIC EFFECTS: Not available.
- THERATOGENIC EFFECTS: Not available.
- Repeated or prolonged exposure to the substance can produce target organs damage.

## Section IV. First Aid Measures

**Eye Contact**
- Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

**Skin Contact**
- After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing be for reusing.

**Inhalation**
- Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Ingestion**
- Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing perform mouth to mouth resuscitation. Seek immediate medical attention.

## Section V. Fire and Explosion Data

**Flash Points**
- Not applicable.

**Flammable Limits**
- May be combustible at high temperature.

**Products of Combustion**
- These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...), sulfur oxides (SO2, SO3...).

**Fire Hazards**
- Not available

**Explosion Hazards**
- Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions**
- SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.
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Section V. Accidental Release Measures

Spill Cleanup Instructions
Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish clearing by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish clearing by spreading water on the contaminated surface and allow to evaporate through the sanitary system.

Section VII. Handling and Storage

Handling and Storage Info
Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.
Storage: Keep container dry. Keep in a cool, well ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section VIII. Exposure Controls/Personal Protection

Personal Protection
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist BEFORE handling this product.

Section IX. Physical and Chemical Properties

Appearance Solid (powdered solid) Color: White
Odor Odorless
Molecular Weight 782.95 g/mole
Boiling Point Decomposes
Melting Point 205 C (401 F)
Specific Gravity Not available.
Vapor Pressure Not applicable.
Vapor Density Not available.

Section X. Stability and Reactivity Data

Stability The product is stable.
Conditions to Avoid Not available.
Materials to Avoid Other Corrosivity: Non-corrosive in presence of glass. Hazardous polymerization will not occur.
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Section XI. Toxicological Information
Routes of Entry: Eye contact. Inhalation. Ingestion.
Toxicity Data: LD50: Not available. LC50: Not available. Chronic effects on humans: The substance is toxic to mucous membranes. Other toxic effects on humans: Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (inert, permeator).

Section XII. Ecological Information
Information: Products of Biodegradation: Possibly hazardous. Short-term degradation products are not likely. However, long-term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Section XIII. Disposal Considerations
Waste Disposal: Recycle to process, if possible. Consult your local or regional authorities.

Section XIV. Transport Information

Section XV. Other Regulatory Information
Regulations:
Other:

Section XVI. Other Information
Other: