Material Safety Data Sheet
Platinum on Asbestos (5%) MSDS

Section 1: Chemical Product and Company Identification

**Product Name:** Platinum on Asbestos (5%)

**Catalog Codes:** SLP3544

**CAS#:** Mixture.

**RTECS:** Not applicable.

**TSCA:** TSCA 8(b) inventory: Platinum; Asbestos

**CI#:** Not applicable.

**Synonym:**

**Chemical Name:** Not applicable.

**Chemical Formula:** Not applicable.

**Contact Information:**

- **Sciencelab.com, Inc.**
  14025 Smith Rd.
  Houston, Texas 77396
- **US Sales:** 1-800-901-7247
  International Sales: 1-281-441-4400
- **Order Online:** ScienceLab.com
- **CHEMTREC (24HR Emergency Telephone), call:**
  1-800-424-9300
- **International CHEMTREC, call:** 1-703-527-3887
- **For non-emergency assistance, call:** 1-281-441-4400

Section 2: Composition and Information on Ingredients

**Composition:**

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platinum</td>
<td>7440-06-4</td>
<td>5</td>
</tr>
<tr>
<td>Asbestos</td>
<td>1332-21-4</td>
<td>95</td>
</tr>
</tbody>
</table>

**Toxicological Data on Ingredients:** Platinum LD50: Not available. LC50: Not available. Asbestos LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

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

**Potential Chronic Health Effects:**
Non-irritant for skin. CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC, 1 (Known.) by NTP, + (PROVEN) by OSHA [Asbestos]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures
**Eye Contact:** Check for and remove any contact lenses. 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.

**Serious Skin Contact:**
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

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

**Serious Inhalation:**
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek 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.

**Serious Ingestion:** Not available.

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### Section 5: Fire and Explosion Data

- **Flammability of the Product:** Non-flammable.
- **Auto-Ignition Temperature:** Not applicable.
- **Flash Points:** Not applicable.
- **Flammable Limits:** Not applicable.
- **Products of Combustion:** Not available.
- **Fire Hazards in Presence of Various Substances:** Not applicable.
- **Explosion Hazards in Presence of Various Substances:**
  - 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:** Not applicable.
- **Special Remarks on Fire Hazards:** Not available.
- **Special Remarks on Explosion Hazards:** Not available.

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### Section 6: Accidental Release Measures

- **Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container.
- **Large Spill:**
  Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

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### Section 7: Handling and Storage

**Precautions:**
Keep locked up. Do not breathe dust. 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. Avoid contact with skin and eyes.
Storage:
Carcinogenic, teratogenic or mutagenic materials should be stored in a separate locked safety storage cabinet or room.

**Section 8: Exposure Controls/Personal Protection**

**Engineering Controls:**
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**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.

**Exposure Limits:**
Platinum TWA: 1 (mg/m3) from ACGIH Consult local authorities for acceptable exposure limits.

**Section 9: Physical and Chemical Properties**

**Physical state and appearance:** Solid.
**Odor:** Not available.
**Taste:** Not available.
**Molecular Weight:** Not applicable.
**Color:** Not available.
**pH (1% soln/water):** Not applicable.
**Boiling Point:** Not available.
**Melting Point:** 1769°C (3216.2°F) based on data for: Platinum.
**Critical Temperature:** Not available.
**Specific Gravity:** Weighted average: 2.62 (Water = 1)
**Vapor Pressure:** Not applicable.
**Vapor Density:** Not available.
**Volatility:** Not available.
**Odor Threshold:** Not available.
**Water/Oil Dist. Coeff.:** The product is insoluble in water and oil.
**Ionicity (in Water):** Not available.
**Dispersion Properties:** Is not dispersed in cold water, hot water.
**Solubility:** Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol.

**Section 10: Stability and Reactivity Data**

**Stability:** The product is stable.
**Instability Temperature:** Not available.
### Section 11: Toxicological Information

**Routes of Entry:** Dermal contact. Eye contact. Inhalation. Ingestion.

**Toxicity to Animals:**
LD50: Not available. LC50: Not available.

**Chronic Effects on Humans:**
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC, 1 (Known.) by NTP, + (PROVEN) by OSHA [Asbestos]. The substance is toxic to lungs, upper respiratory tract.

**Other Toxic Effects on Humans:**
Very hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (irritant, permeator).

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Not available.

### Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**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 as toxic as the original product.

**Special Remarks on the Products of Biodegradation:** Not available.

### Section 13: Disposal Considerations

**Waste Disposal:**

### Section 14: Transport Information

**DOT Classification:** CLASS 9: Miscellaneous hazardous material.

**Identification:** : Asbestos (Asbestos) : NA2212 PG: III

**Special Provisions for Transport:** Not available.

### Section 15: Other Regulatory Information
Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Asbestos California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Asbestos Pennsylvania RTK: Platinum; Asbestos Florida: Asbestos Minnesota: Asbestos Massachusetts RTK: Platinum; Asbestos New Jersey: Asbestos TSCA 8(b) inventory: Platinum; Asbestos SARA 313 toxic chemical notification and release reporting: Asbestos CERCLA: Hazardous substances.: Asbestos;


Other Classifications:
WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R36/38- Irritating to eyes and skin. R45- May cause cancer.

HMIS (U.S.A.):
Health Hazard: 2
Fire Hazard: 0
Reactivity: 0
Personal Protection: E

National Fire Protection Association (U.S.A.):
Health: 2
Flammability: 0
Reactivity: 0
Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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