1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hercules Sta-Put®
Recommended Use: Plumbers putty

Supplier Address:
Hercules Chemical Company, Inc.
111 South St.
Passaic, NJ 07055
TEL: 973-778-5000

Company Emergency Phone Number: 1-800-221-9330
Emergency Telephone Number: Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview:
May cause skin irritation and/or dermatitis

Appearance: Beige
Physical State: Solid
Odor: Mild vegetable odor

Potential Health Effects

Principle Routes of Exposure: Skin contact.

Acute Effects

Eyes: May cause irritation.
Skin: May cause skin irritation and/or dermatitis.
Inhalation: Not an expected route of exposure.
Ingestion: Ingestion may cause stomach discomfort.

Chronic Effects: This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Aggravated Medical Conditions: Skin disorders.

Potential Environmental Effects: See Section 12 for additional Ecological information.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>60-100</td>
</tr>
<tr>
<td>Kaolinite, Hydrous Aluminum Silicate</td>
<td>1332-58-7</td>
<td>5-10</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>1-5</td>
</tr>
<tr>
<td>Petroleum-based Lubricating Oil</td>
<td>64741-88-4, 64742-54-7, 64742-70-7</td>
<td>1-5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact: Wash skin with soap and water.
Inhalation: Move to fresh air.
Ingestion: Clean mouth with water. Do not induce vomiting. If symptoms persist, call a physician.
Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties: Not flammable
Flash Point: Not applicable
Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Explosion Data
- Sensitivity to mechanical impact: Not sensitive
- Sensitivity to static discharge: Not sensitive

Protective Equipment and Precautions for Firefighters:
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with the skin and the eyes.
Methods for Containment: Prevent further leakage or spillage if safe to do so.
Methods for Clean-up: Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice.
Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td></td>
<td>TWA: 15 mg/m³</td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td>Kaolinite, Hydrous Aluminum Silicate</td>
<td>TWA: 2 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td>Quartz</td>
<td>TWA: 0.05 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>50 mg/m³ respirable dust</td>
</tr>
<tr>
<td>Petroleum-based Lubricating Oil</td>
<td>TWA: 5 mg/m³ (oil mist)</td>
<td>TWA: 5 mg/m³ (oil mist)</td>
<td></td>
</tr>
</tbody>
</table>

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Controls
- Showers
- Eyewash stations
- Ventilation systems

Personal Protective Equipment
- Eye/face Protection: No special protective equipment required
- Skin Protection: Protective gloves
- Respiratory Protection: No special protective equipment required

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Beige</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.89</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Putty</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild vegetable odor</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>VOC Content</td>
<td>10 g/l</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under recommended storage conditions.

Conditions to Avoid
None known based on information supplied.

Incompatible Materials
Strong oxidizing agents.

Hazardous Decomposition Products
Carbon monoxide, Carbon dioxide (CO2), Silicon dioxide.

Hazardous Polymerization
Hazardous polymerization does not occur.
11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information
Product does not present an acute toxicity hazard based on known or supplied information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>500 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic Toxicity

Chronic Toxicity
This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Carcinogenicity
The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>A2</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
</tbody>
</table>

Reproductive Effects
This product does not contain any known or suspected reproductive hazards.

Target Organ Effects
Skin, Eyes.

Endocrine Disruptor Information
This product does not contain any known or suspected endocrine disruptors.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
This material, as supplied, is not a hazardous waste according to state and Federal regulations (40 CFR 261).

Contaminated Packaging
Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT
Not regulated

TDG
Not regulated

MEX
Not regulated

ICAO
Not regulated

IATA
Not regulated

IMDG/IMO
Not regulated
### International Invenories

<table>
<thead>
<tr>
<th>Inventory Type</th>
<th>Complies/Does not Comply</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Does not Comply</td>
</tr>
<tr>
<td>ENCS</td>
<td>Does not Comply</td>
</tr>
<tr>
<td>CHINA</td>
<td>Does not Comply</td>
</tr>
<tr>
<td>KECL</td>
<td>Does not Comply</td>
</tr>
<tr>
<td>PICCS</td>
<td>Does not Comply</td>
</tr>
<tr>
<td>ACS</td>
<td>Does not Comply</td>
</tr>
</tbody>
</table>

### U.S. Federal Regulations

#### SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories
- **Acute Health Hazard**: No
- **Chronic Health Hazard**: No
- **Fire Hazard**: No
- **Sudden Release of Pressure Hazard**: No
- **Reactive Hazard**: No

### Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### U.S. State Regulations

#### California Proposition 65
This product contains the following Proposition 65 chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

### U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Kaolinite, Hydrous Aluminum Silicate</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Quartz</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

### International Regulations

#### Mexico - Grade
Slight risk, Grade 1

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td></td>
<td>STEL: 20 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>Kaolinite, Hydrous Aluminum Silicate</td>
<td></td>
<td>STEL: 20 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 10 mg/m³</td>
</tr>
</tbody>
</table>

### Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### WHMIS Hazard Class
Non-controlled
16. OTHER INFORMATION

Preparation Date 06-Jul-2006

Revision Date

Revision Summary No information available

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS