SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier
   Chemical Name: Natural Sand and Gravel
   CAS No.: None
   Trade Name(s): Construction aggregate

Relevant identified uses of the substance or mixture and uses advised against
   Identified Use(s): Construction Material
   Uses Advised Against: None.

Details of the supplier of the safety data sheet
   Company Identification: Thelen Sand & Gravel, Inc.
                           28955 W. Route 173
                           Antioch, IL 60002
   Telephone A: (847) 395-3313

Emergency telephone number
   Emergency Phone No.: Not classified as dangerous for supply/use. Please contact the supplier above during normal business hours.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture
   OSHA HCS (29 CFR 1910.1200) / GHS Classification: Not classified as dangerous for supply/use. Unlikely to be hazardous by inhalation unless present as a dust.

Label elements
   Hazard Symbol: None
   Signal Word(s): None
   Hazard Statement(s): None
   Precautionary Statement(s): None

Other hazards
   Inhalable size dust particles may be released under certain conditions of handling. This dust may contain crystalline silica dust which: Causes damage to organs: Lungs (silicosis) and May cause cancer: Lungs

Additional Information
   Control dust formation. Avoid breathing dust. As necessary, wear eye and/or respiratory protection (safety glasses and dust mask). Wash hands and exposed skin after use.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Composition/information on ingredients</th>
<th>% wt.</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Sand and Gravel*</td>
<td>100</td>
<td>-------</td>
</tr>
</tbody>
</table>

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. Please see Section 8 of SDS for more details.

- Contains: Dust may contain >1% crystalline silica (inherent in the sand / gravel).

Additional Information - None
SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation
Not normally required. Move person to fresh air. Apply artificial respiration if necessary. If symptoms persist, obtain medical attention.

Skin Contact
Gently wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact
Flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion
Not normally required. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

None known

Indication of any immediate medical attention and special treatment needed

None known

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media
-Suitable Extinguishing Media
Non-combustible. As appropriate for surrounding fire.

-Unsuitable Extinguishing Media
None anticipated.

Special hazards arising from the substance or mixture
None known

Advice for fire-fighters
A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Not normally required.

Environmental precautions
Not normally required.

Methods and material for containment and cleaning up
Not normally required.

Reference to other sections
None

Additional Information
None.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Inhalable size dust particles may be released under certain conditions of handling. Control dust formation. Avoid breathing dust. As necessary, wear eye and/or respiratory protection (safety glasses and dust mask).

Conditions for safe storage, including any incompatibilities
-Storage temperature
Ambient temperatures.

-Incompatible materials
Strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
### Occupational Exposure Limits

<table>
<thead>
<tr>
<th>SUBSTANCE.</th>
<th>CAS No.</th>
<th>(8hr TWA)</th>
<th>(STEL)</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica (respirable particulate)</td>
<td></td>
<td>10 mg/m³</td>
<td>0.025 mg/m³</td>
<td>See below</td>
</tr>
<tr>
<td></td>
<td></td>
<td>%SiO₂ + 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Suspected Human Carcinogen; *Refer to OSHA 29 CFR 1910.1000 & 29 CFR 1926.55; 8hr TWA = 8 hour time-weighted average; STEL = Short Term Exposure Limit.

**Recommended monitoring method**

NIOSH 0500 (Total Dust); NIOSH 7500 (Crystalline Silica)

**Exposure controls**

**Appropriate engineering controls**

Use only outdoors or in a well-ventilated area.

**Personal protection equipment**

**Eye/face protection**

The following to be used as necessary: Safety Glasses

**Skin protection (Hand protection/ Other)**

The following to be used as necessary: Leather or thick textile gloves.

**Respiratory protection**

Inhalable size dust particles may be released under certain conditions of handling. Respiratory protection may be needed if occupational exposure limits are exceeded. Air-purifying respirator with combination organic vapor cartridge / particulate filter may be sufficient. Check with protective equipment manufacturer’s data.

**Thermal hazards**

Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls**

Not normally required.

---

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

- **Appearance**: Solid
- **Color.**: earthy tan and gray colors
- **Odor**: None
- **Odor Threshold (ppm)**: Not applicable.
- **pH (Value)**: Not available.
- **Melting Point (°C) / Freezing Point (°C)**: Not available.
- **Boiling point/boiling range (°C)**: Not available.
- **Flash Point (°C)**: Non-combustible
- **Evaporation Rate**: Not available.
- **Flammability (solid, gas)**: Non-combustible
- **Explosive Limit Ranges**: Non-combustible
- **Vapor pressure (Pascal)**: Not applicable.
- **Vapor Density (Air=1)**: Not applicable.
- **Density (g/ml)**: Not available.
- **Solubility (Water)**: Insoluble
- **Solubility (Other)**: Not known
- **Partition Coefficient (n-Octanol/water)**: Not available.
- **Auto Ignition Point (°C)**: Non-combustible
- **Decomposition Temperature (°C)**: Not available.
SECTION 10: STABILITY AND REACTIVITY

Reactivity Stable under normal conditions.
Chemical stability Stable.
Possibility of hazardous reactions None known
Conditions to avoid None known
Incompatible materials None known
Hazardous decomposition product(s) None known

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Crystalline Silica (quartz and cristobalite)
Acute toxicity LD50 (rat): >5000 mg/kg bw
LD50 (dermal): >2000 mg/kg bw
LC50 (inhalation, fume): >94.4 mg/m³ - Causes damage to organs: Lungs (silicosis)

Irritation/Corrosivity Not to be expected
Sensitization Not to be expected
Repeated dose toxicity Causes damage to organs through prolonged or repeated exposure: Lungs (silicosis)
Carcinogenicity May cause cancer. Lungs

<table>
<thead>
<tr>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>Yes.</td>
<td>A2</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

Mutagenicity Not to be expected.
Reproductive toxicity Not to be expected.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Short term LL50 (48 hour): >1000 mg/l (Fish)
LL50 (48 hour): >1000 mg/L (Aquatic Invertebrates)
EL50 (48 hour): >1000 mg/L (Aquatic Plants)

Long Term No data
Persistence and degradability The substance is non biodegradable.
Bioaccumulative potential The product has no potential for bioaccumulation.
Mobility in soil The product has low mobility in soil.
Results of PBT and vPvB assessment Not classified as PBT or vPvB.
Other adverse effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information None known.
SECTION 14: TRANSPORT INFORMATION

Ground or Water Domestic Voyage (DOT): Not classified as dangerous for transport.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

RCRA Hazardous Waste Number (40 CFR 261.33): None

US RCRA Hazard Class: Not applicable.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>RQ (Pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>-----</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

SARA 311/312 - Hazard Categories: None

☐ Fire ☐ Sudden Release ☐ Reactivity ☐ Immediate (acute) ☐ Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>-----</td>
<td>----</td>
</tr>
</tbody>
</table>

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Typical %wt.</th>
<th>TPQ (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>-----</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

SECTION 16: OTHER INFORMATION

Additional Information

The following sections contain revisions or new statements: 1-16.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. The manufacturer gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. The manufacturer accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.