SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Chemical Name: None
CAS No.: None
Trade Name(s): Bark Mulch, Wood Mulch, Landscaping Mulch

Relevant identified uses of the substance or mixture and uses advised against
Identified Use(s): Landscaping
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: (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

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

Other hazards: None

Additional Information: Routine and repeated exposures to dust from some natural woods (e.g. western red cedar, oak, beech, birch, mahogany, teak, & walnut) have been associated with an increased risk of lung cancer and/or other pulmonary effects. In addition, western red cedar may cause allergic skin reactions in some individuals.

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>Mulch</td>
<td>100</td>
<td>None</td>
</tr>
</tbody>
</table>

Additional Information - None

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below: None
SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation
Not normally required.

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.

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
  Extinguish with carbon dioxide, dry chemical, foam or water spray.
- Unsuitable Extinguishing Media
  None anticipated.

Special hazards arising from the substance or mixture

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
Not normally required.

Conditions for safe storage, including any incompatibilities
- Storage temperature
  Ambient temperatures. Follow normal precautions for bulk storage of combustible materials.
- Incompatible materials
  Strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits:
MULCH

<table>
<thead>
<tr>
<th>SUBSTANCE.</th>
<th>CAS No.</th>
<th>(8hr TWA) PEL (OSHA)</th>
<th>TLV (ACGIH)</th>
<th>(STEL) PEL (OSHA)</th>
<th>TLV (ACGIH)</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>--------</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
</tbody>
</table>

Recommended monitoring method
None

Exposure controls

Appropriate engineering controls
Not normally required.

Personal protection equipment

Eye/face protection
Not normally required.

Skin protection (Hand protection/ Other)
Not normally required.

Respiratory protection
Not normally required.

Thermal hazards
Not normally required.

Environmental Exposure Controls
Not normally required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>Brown, black, or red</td>
</tr>
<tr>
<td>Odor</td>
<td>Varies</td>
</tr>
<tr>
<td>Odor Threshold (ppm)</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH (Value)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting Point (°C) / Freezing Point (°C)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling point/boiling range (°C):</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Explosive Limit Ranges</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor pressure (Pascal)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Density (g/ml)</td>
<td>Varies</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>Negligible</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not known</td>
</tr>
<tr>
<td>Partition Coefficient (n-Octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto Ignition Point (°C)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Kinematic Viscosity (cSt) @ 40°C</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidizing.</td>
</tr>
</tbody>
</table>
SECTION 10: STABILITY AND REACTIVITY

Reactivity
Stable under normal conditions.

Chemical stability
Stable.

Possibility of hazardous reactions
May react violently with: Strong oxidizing agents

Conditions to avoid
Incompatible materials

Incompatible materials
Oxidizers

Hazardous decomposition product(s)

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Skin Contact, Eye Contact

Information on toxicological effects

Acute toxicity
Not acutely toxic.

Irritation/Corrosivity
Not to be expected.

Sensitization
Western red cedar may cause allergic skin reactions in some individuals.

Repeated dose toxicity
Not to be expected.

Carcinogenicity
Not to be expected under typical conditions of handling / use.

<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>Yes.*</td>
<td>No.</td>
</tr>
</tbody>
</table>

Routine and repeated exposures to dust from some natural woods (e.g. western red cedar, oak, beech, birch, mahogany, teak, & walnut) have been associated with an increased risk of lung cancer and/or other pulmonary effects.

Mutagenicity
Not to be expected.

Reproductive toxicity
Not to be expected.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Not hazardous for the environment.

Persistence and degradability
The product is 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 regulated.
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.

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