1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: ELS® Dry Concentrate

Recommended use of the chemical and restrictions on use

Recommended Use: Remediation of contaminated soil and groundwater

Restrictions on Use: Use as recommended by the label.

Manufacturer/Supplier

PeroxyChem LLC
2005 Market Street
Suite 3200
Philadelphia, PA 19103
267/422-2400 (General Information)
sdsinfo@peroxychem.com (E-Mail General Information)

Emergency telephone numbers

For leak, fire, spill or accident emergencies, call:
1 800 / 424 9300 (CHEMTREC - U.S.A.)
1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)
1 303/ 389-1409 (Medical - U.S. - Call Collect)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the 2015 Workplace Hazardous Materials Information System (WHMIS)

- Combustible dust

GHS Label elements, including precautionary statements

Warning

Hazard Statements
May form combustible dust concentrations in air

Precautionary Statements - Prevention
Keep away from all ignition sources including heat, sparks and flame.
Keep container closed and grounded.
Prevent dust accumulations to minimize explosion hazard.

**Hazards not otherwise classified (HNOC)**
No hazards not otherwise classified were identified.

**Other Information**
Excessive inhalation of dust may cause coughing and sneezing. Product dust may cause mechanical eye irritation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soy Lecithin</td>
<td>8030-76-0</td>
<td>&gt; 99</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**Eye Contact**
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

**Skin Contact**
Wash off with warm water and soap. Get medical attention if irritation develops and persists.

**Inhalation**
Remove person to fresh air. If signs/symptoms continue, get medical attention.

**Ingestion**
Rinse mouth. Drink plenty of water. Consult a physician if you feel unwell.

**Most important symptoms and effects, both acute and delayed**
Inhalation of dust in high concentration may cause irritation of respiratory system.

**Indication of immediate medical attention and special treatment needed, if necessary**
Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Dry chemical, Carbon dioxide (CO₂), Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Specific Hazards Arising from the Chemical**
Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**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
**ELSA® Dry Concentrate**

**SDS #**: BGCB3  
**Revision date**: 2018-12-11  
**Version**: 1.01

**Personal Precautions**  
Avoid dust formation. Remove all sources of ignition. All equipment used when handling the product must be grounded. For personal protection see Section 8.

**Other**  
For further clean-up instructions, call PeroxyChem Emergency Hotline number listed in Section 1 “Product and Company Identification” above.

**Environmental Precautions**  
Prevent material from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information for more detailed information.

**Methods for Containment**  
Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Material may be recycled when contamination is not a problem.

**Methods for cleaning up**  
Sweep, vacuum or shovel into suitable containers for disposal. Dispose of waste as indicated in Section 13. The waste may be recovered and recycled.

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### 7. HANDLING AND STORAGE

**Handling**  
Minimize dust generation and accumulation. Dry powdered material can build static electricity when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmosphere.

**Storage**  
Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures between 15°C and 25°C.

**Incompatible products**  
Strong oxidizing agents

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**  
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. Local nuisance dust standards apply.

**Appropriate engineering controls**

**Engineering measures**  
Provide appropriate exhaust ventilation at places where dust is formed. Ensure adequate ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**  
Safety glasses with side-shields.

**Skin and Body Protection**  
Wear suitable protective clothing. Protective shoes or boots.

**Hand Protection**  
Protective gloves

**Respiratory Protection**  
None required under normal usage. In case of insufficient ventilation: Effective dust mask.

**Hygiene measures**  
Wash hands before breaks and at the end of workday.

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### 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>Yellowish or white to tan crystals, fine powder</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>Yellowish or white to tan</td>
</tr>
<tr>
<td>Odor</td>
<td>Nutty</td>
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<tr>
<td>Odor threshold</td>
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</tr>
<tr>
<td>pH</td>
<td>6.6</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available 236.1 °C</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity
None under normal use conditions.

Chemical Stability
Stable under normal handling and storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous polymerization
Hazardous polymerization does not occur.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials
Strong oxidizing agents.

Hazardous Decomposition Products
Carbon monoxide (CO); nitrogen oxides (NOx); acrolein; phosphorous oxides.

11. TOXICOLOGICAL INFORMATION

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

Serious eye damage/eye irritation
Product dust may cause mechanical eye irritation.

Skin corrosion/irritation
Non-irritating.

Sensitization
No information available.

Information on toxicological effects

Symptoms
Dust is irritating eyes, nose, throat, and lungs.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity
Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

Mutagenicity
This product is not recognized as mutagenic by Research Agencies.
12. ECOLOGICAL INFORMATION

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

Persistence and degradability Product has a high potential to biodegrade with a high biochemical oxygen demand.
Bioaccumulation Bioaccumulation is unlikely.
Mobility Is not likely mobile in the environment due its low water solubility.
Other Adverse Effects None known.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods Can be landfilled or incinerated, when in compliance with local regulations.
Contaminated Packaging Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT NOT REGULATED

15. REGULATORY INFORMATION

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 This product has the following hazards that are reportable under The Emergency Planning and Community Right-to-Know rule (EPCRA Tier II):

• Combustible dust

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)
CERCLA/EPCRA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

U.S. State Right-to-Know Regulations
This product does not contain any substances regulated under applicable state right-to-know regulations.

California Proposition 65
This product does not contain any Proposition 65 chemicals.

CANADA

Environmental Emergencies
This product contains no substances listed under Canada’s Environmental Emergency regulations.

Canadian National Pollutant Release Inventory
This product contains no substances reportable under Canada’s National Pollutant Release Inventory regulations.

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA (United States)</th>
<th>DSL (Canada)</th>
<th>EINECS/EL (Europe)</th>
<th>ENCS (Japan)</th>
<th>China (IECSC)</th>
<th>KECL (Korea)</th>
<th>PICCS (Philippines)</th>
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Mexico

Mexico - Grade
Minimum risk, Grade 0

16. OTHER INFORMATION

<table>
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<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
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<table>
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Revision date: 2018-12-11
Revision note: Qualify trade name.

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Prepared By:

PeroxyChem
End of Safety Data Sheet