Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • Zoecon Altosid Pro-G Insect Growth Regulator

Synonyms • 37330; 38860; 38880; EPA Reg. No.: 2724-451; RF9010; Zoecon 9010 GR; Zoecon Altosid XR-G

Product Description • Dark gray to black granules with a slight hydrocarbon odor.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use • Insect growth regulator

Restrictions on use • Keep out of reach of children. Avoid contact with eyes, skin or clothing. Avoid breathing dust

Details of the supplier of the safety data sheet

Manufacturer • Wellmark International
1501 E. Woodfield Road, Suite 200 West
Schaumburg, IL 60173
United States
www.centralmosquitocontrol.com

Emergency telephone number

Manufacturer • 1-800-424-9300 - CHEMTREC
Manufacturer • 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted
Manufacturer • 1-888-914-2082

Section 2: Hazard Identification

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Carcinogenicity 1A
Specific Target Organ Toxicity Repeated Exposure 1

Label elements

OSHA HCS 2012

DANGER

Hazard statements • Causes damage to organs through prolonged or repeated exposure. May cause cancer.
Precautionary statements

Prevention • Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust, fume, gas, mist, vapors and/or spray.

Response • Get medical advice/attention if you feel unwell. IF exposed or concerned: Get medical advice/attention.

Storage/Disposal • Store locked up. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Supplemental information • The finished product is not considered carcinogenic because of the product's physical form. The Hazard Statement "May Cause Cancer" is presented because a component of this product contains a naturally occurring trace amount of crystalline silica (quartz) which is classified as carcinogenic to humans if inhaled. Respiratory exposure to silica dust from the finished product is not expected to occur under normal conditions of use due to the manner in which the constituents are bound. The crystalline silica in the finished product is unlikely to pose personal exposure via inhalation in light of studies conducted that indicate there is minimal liberation of particulates from the product during extreme handling or transport.


Section 3 - Composition/Information on Ingredients

Substances

• Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-Methoprene</td>
<td>CAS:65733-16-6</td>
<td>1.5%</td>
</tr>
<tr>
<td>Silica, crystalline - quartz</td>
<td>CAS:14808-60-7</td>
<td>90.6%</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>NDA</td>
<td>7.9%</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

Description of first aid measures

Inhalation • IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin • IF ON SKIN: Wash skin with soap and water. If skin irritation occurs: Get medical advice/attention.

Eye • IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical
Ingestion

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

- May cause cancer, causes damage to organs - lungs. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media

- LARGE FIRE: Water spray, fog or regular foam.
- SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media

- Avoid heavy hose streams.

Firefighting Procedures

- Material is non-combustible and is not expected to pose a fire or explosion hazard.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- None known.

Hazardous Combustion Products

- No data available.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Use appropriate Personal Protective Equipment (PPE)

Emergency Procedures

- Do not allow runoff into water, storm drains or drainage ditches.

Environmental precautions

- Runoff from fire control may cause pollution.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- SMALL DRY SPILLS: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Avoid contact with skin or eyes.

Conditions for safe storage, including any incompatibilities

Storage

- Store closed containers in a cool dry place. Do not contaminate water, food or feed by storage or disposal. Store locked up.

Section 8 - Exposure Controls/Personal Protection

Control parameters
<table>
<thead>
<tr>
<th>Exposure Limits/Guidelines</th>
<th>Result</th>
<th>ACGIH</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, crystalline - quartz (14808-60-7)</td>
<td>TWA</td>
<td>0.025 mg/m³ TWA (respirable fraction)</td>
<td>0.05 mg/m³ TWA (respirable dust)</td>
</tr>
</tbody>
</table>

Exposure Limits Supplemental

OSHA

• Silica, crystalline - quartz (14808-60-7): **Mineral Dusts**: 
  - ((30)/(%SiO₂ + 2) mg/m³ TWA, total dust; 
  - (250)/(%SiO₂ + 5) mppcf TWA, respirable fraction; 
  - (10)/(%SiO₂ + 2) mg/m³ TWA, respirable fraction)

ACGIH

• Silica, crystalline - quartz (14808-60-7): **TLV Basis - Critical Effects**: (lung cancer; pulmonary fibrosis)

Exposure controls

Engineering Measures/Controls

• Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Pictograms

• Respiratory
  • In case of insufficient ventilation, wear suitable respiratory equipment.

• Eye/Face
  • Wear protective eyewear (goggles, face shield, or safety glasses).

• Hands
  • Wear appropriate gloves.

• Skin/Body
  • If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.

General Industrial Hygiene Considerations

• Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

• No data available

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Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical Form</strong></td>
</tr>
<tr>
<td><strong>Appearance/Description</strong></td>
</tr>
<tr>
<td><strong>Color</strong></td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boiling Point</strong></td>
</tr>
<tr>
<td><strong>Melting Point/Freezing Point</strong></td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
</tr>
<tr>
<td><strong>pH</strong></td>
</tr>
<tr>
<td><strong>Specific Gravity/Relative Density</strong></td>
</tr>
<tr>
<td><strong>Density</strong></td>
</tr>
<tr>
<td><strong>Bulk Density</strong></td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Volatility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Vapor Pressure</strong></td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flammability</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash Point</strong></td>
</tr>
<tr>
<td><strong>UEL</strong></td>
</tr>
<tr>
<td>LEL</td>
</tr>
<tr>
<td>-----</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
</tr>
<tr>
<td>Environmental</td>
</tr>
<tr>
<td>Octanol/Water Partition coefficient</td>
</tr>
</tbody>
</table>

## Section 10: Stability and Reactivity

### Reactivity
- No data available

### Chemical stability
- Stable

### Possibility of hazardous reactions
- Hazardous polymerization will not occur.

### Conditions to avoid
- No data available.

### Incompatible materials
- No data available.

### Hazardous decomposition products
- No data available.

## Section 11 - Toxicological Information

### Information on toxicological effects

<table>
<thead>
<tr>
<th>CAS</th>
<th>Acute Toxicity: Ingestion/Oral-Rat LD50 • &gt;4000 mg/kg; Skin-Rat LD50 • &gt;4000 mg/kg; Irritation: Eye-Rabbit • Essentially non-irritating; Skin-Rabbit • Essentially non-irritating</th>
</tr>
</thead>
<tbody>
<tr>
<td>NDA</td>
<td>Zoecon Altosid Pro-G Insect Growth Regulator</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>OSHA HCS 2012 • Carcinogenicity 1A</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
</tbody>
</table>
Inhalation

Acute (Immediate) • Exposure to respirable crystalline silica is not expected during the normal use of this product. However, acute silicosis can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss.

Chronic (Delayed) • Exposure to respirable crystalline silica is not expected during normal use of this product. However, prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis).

Skin

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available.

Eye

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available.

Ingestion

Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • No data available.

Carcinogenic Effects • Exposure to respirable crystalline silica dust from the finished product is not expected to occur due to the manner in which the constituents are bound, thus the finished product is not considered carcinogenic under conditions of normal use.

Section 12 - Ecological Information

Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-Methoprene (1.5%)</td>
<td>65733-16-6</td>
<td><strong>Crustacea:</strong> NOEC Crustacea <em>Mysis shrimp</em> 0.014 mg/L [Chronic]; 48 Hour(s) LC50 Crustacea <em>Daphnia magna</em> 0.36 mg/L [Acute]; <strong>Fish:</strong> 96 Hour(s) LC50 Fish <em>Rainbow Trout</em> 0.76 mg/L [Acute]; 96 Hour(s) LC50 Fish <em>Blue Gill</em> &gt;0.37 mg/L [Acute]; NOEC Fish <em>Fathead minnow</em> 0.048 mg/L [Chronic]</td>
</tr>
</tbody>
</table>

Persistence and degradability • No data available

Bioaccumulative potential • No data available

Mobility in Soil • 10-14 days, rapidly hydrolyzed in soil.

Other adverse effects

Ecological Fate • Not hydrolyzed up to 30 days.

Other Information • No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class (es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Special precautions for user
- No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- No data available

Other information
- IMO/IMDG: No data available
- IATA/ICAO: No data available

Key to abbreviations
= N/A = Not applicable.

Section 15 - Regulatory Information

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

SARA Hazard Classifications
- Acute, Chronic

FIFRA – Pesticide Labeling
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION

Precautionary Statements
- KEEP OUT OF THE REACH OF CHILDREN

Hazards to Humans and Domestic Animals
- Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes or skin. Due to the size and abrasiveness of the granule, use protective eyewear and clothing to minimize exposure during loading and handling. Wash thoroughly with soap and water after handling.

First Aid
- IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Environmental Hazards
- Do not contaminate water when disposing of risate or equipment wash waters.

Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-Methoprene</td>
<td>65733-16-6</td>
<td>No</td>
</tr>
</tbody>
</table>
Section 16 - Other Information

Last Revision Date • 07/July/2015
Preparation Date • 07/July/2015
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