Enstar AQ Insect Growth Regulator

Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • Enstar AQ Insect Growth Regulator
Synonyms • 100502416; 100502900; EPA Reg. No.: 2724-793; RF2067 EW
Product Description • White, opaque liquid.

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

Recommended use • Insect growth regulator
Restrictions on use • KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with eyes, skin or clothing.

Details of the supplier of the safety data sheet

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

Emergency telephone number

Manufacturer • 1-800-248-7763
Manufacturer (Transportation) • 1-800-424-9300 - CHEMTREC
Manufacturer (Transportation) • 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

Section 2: Hazard Identification

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

Classification of the substance or mixture

OSHA HCS 2012 • Eye Mild Irritation 2B
Skin Irritation 2

Label elements

OSHA HCS 2012

WARNING

Hazard statements • Causes eye irritation
Causes skin irritation

**Precautionary statements**

**Prevention**
- Wash thoroughly after handling.
- Wear protective gloves.

**Response**
- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **IF ON SKIN:** Wash with plenty of soap and water.
- **IF SKIN IRRITATION OCCURS:** Get medical advice/attention.

**Other hazards**

**OSHA HCS 2012**

**Section 3 - Composition/Information on Ingredients**

**Substances**

- Material does not meet the criteria of a substance.

**Mixtures**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>(S)-Kinoprene</td>
<td>CAS:65733-20-2</td>
<td>18.4%</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>NDA</td>
<td>Balance</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 control center or doctor for further treatment advice.

**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 advice/attention.

**Ingestion**
- **IF SWALLOWED:** call a poison center or doctor if you feel unwell. Rinse mouth. Have person drink pint of lukewarm water if able to swallow. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**
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**
- Use water, foam, carbon dioxide, or dry chemical.

**Unsuitable Extinguishing Media**
- Avoid heavy hose streams.

**Firefighting Procedures**
- Keep unauthorized personnel away.
- Stay upwind.
- Ventilate closed spaces before entering.

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**
- Avoid contact with skin, eyes, and clothing. Remove clothing and wash thoroughly after use. Use appropriate Personal Protective Equipment (PPE). Do not walk through spilled material. Ensure adequate ventilation to remove vapors, fumes, dust etc.

**Emergency Procedures**
- Use normal clean up procedures.

**Environmental precautions**
- Contain and prevent from release into any waterway, sewer or drain.

**Methods and material for containment and cleaning up**

**Containment/Clean-up Measures**
- LARGE SPILLS: Dike far ahead of spill for later disposal.
- SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Section 7 - Handling and Storage

**Precautions for safe handling**

**Handling**
- Wash hands thoroughly with soap and water after handling. Read label before use. Avoid contact with skin or eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage**
- Keep container/package tightly closed in a cool, well-ventilated place. Keep only in the original container. Avoid direct sunlight. Avoid extreme temperatures.
Incompatible Materials or Ignition Sources

- No data available.

Other Information

- See product label for additional information.

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Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- No data available.

Exposure controls

Engineering Measures/Controls

- Use adequate ventilation to remove vapors (fumes, dust etc)

Personal Protective Equipment

Pictograms

- [Respiratory]
  - In case of insufficient ventilation, use NIOSH approved respiratory protection.

- [Eye/Face]
  - Wear 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

- Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

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Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>General Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Liquid</td>
<td>White, opaque liquid.</td>
<td>Boiling Point</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
<td>Moderate oil-like.</td>
<td>Decomposition Temperature</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
<td></td>
<td>pH 6 to 7</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>1.016 g/ml (8.48 lb/gal)</td>
<td>Bulk Density No data available</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
<td>Viscosity 200 Centipoise (cPs, cP) or mPas @ 20 °C(68 °F) No data available</td>
<td></td>
</tr>
<tr>
<td>Volatility</td>
<td>Vapor Pressure</td>
<td>Vapor Density No data available</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No data available</td>
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Preparation Date: 15/February/2016
Revision Date: 15/February/2016

Format: GHS Language: English (US)
OSHA HCS 2012
Flammability

<table>
<thead>
<tr>
<th></th>
<th>Flammability (solid, gas)</th>
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<tbody>
<tr>
<td>Flash Point</td>
<td>No data available</td>
<td>UEL</td>
</tr>
<tr>
<td>LEL</td>
<td>No data available</td>
<td>Flame Duration</td>
</tr>
<tr>
<td>UEL</td>
<td>No data available</td>
<td>Flame Duration</td>
</tr>
</tbody>
</table>

Environmental

| Octanol/Water Partition coefficient | No data available |

Section 10: Stability and Reactivity

Reactivity

• No dangerous reaction known under conditions of normal use.

Chemical stability

• Stable

Possibility of hazardous reactions

• Hazardous polymerization will not occur.

Conditions to avoid

• Extreme temperatures. Keep away from fire.

Incompatible materials

• Strong oxidizing agents.

Hazardous decomposition products

• Thermal decomposition may produce toxic gases.

Section 11 - Toxicological Information

Information on toxicological effects

<table>
<thead>
<tr>
<th>CAS</th>
<th>Acute Toxicity: Ingestion/Oral-Rat LD50 • 3129 mg/kg; Inhalation-Rat LC50 • &gt;2.05 mg/L 4 Hour(s); Skin-Rat LD50 • &gt;5000 mg/kg; Irritation: Eye-Rabbit • Mild irritation; Skin-Rabbit • Mild irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enstar AQ Insect Growth Regulator</td>
<td>NDA</td>
</tr>
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</table>

GHS Properties

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>OSHA HCS 2012 • Skin Irritation 2</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>OSHA HCS 2012 • Eye Mild Irritation 2B</td>
</tr>
<tr>
<td>Skin sensitization</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>Aspiration Hazard</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>OSHA HCS 2012 • Not classified - data lacking</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
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</table>
Section 12 - Ecological Information

Toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Aquatic Toxicity-Fish: 96 Hour(s) LC50 Rainbow Trout 20 mg/L [Acute]</th>
<th>Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 Daphnia magna 0.113 mg/L [Acute]</th>
</tr>
</thead>
<tbody>
<tr>
<td>(S)-Kinoprene (18.4%) 65733-20-2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability

- No data available.

Bioaccumulative potential

- No data available.

Mobility in Soil

- No data available.

Other adverse effects

Potential Environmental Effects

- 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>
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<tr>
<td>IMO/IMDG</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
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<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
- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- Not relevant.

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

### Section 15 - Regulatory Information

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

SARA Hazard Classifications
- Acute

**FIFRA – Pesticide Labeling**

This material 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 reach of children.

Hazards to Humans and Domestic Animals

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**First Aid**

- Call a poison control center or doctor immediately for treatment advice. If swallowed • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. 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.
<table>
<thead>
<tr>
<th>Section 16 - Other Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revision Date</strong></td>
</tr>
<tr>
<td><strong>Last Revision Date</strong></td>
</tr>
<tr>
<td><strong>Preparation Date</strong></td>
</tr>
<tr>
<td><strong>Disclaimer/Statement of Liability</strong></td>
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