1. PRODUCT IDENTIFICATION

Product identifier on label: LEXAR® EZ HERBICIDE

Use:
Herbicide

Manufacturer:
Syngenta Crop Protection, LLC
Post Office Box 18300
Greensboro NC 27419

Manufacturer Phone: 1-800-334-9481

Emergency Phone: 1-800-888-8372

2. HAZARDS IDENTIFICATION

Classifications:
- Carcinogenicity: Category 2
- Specific Target Organ Toxicity: Repeated Category 2

Signal Word (OSHA):
Warning

Hazard Statements:
- Suspected of causing cancer
- May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Do not breathe mist, vapors, spray.
- Wear protective gloves, protective clothing, eye protection.
- If exposed or concerned: Get medical advice/attention.
- Get medical advice if you feel unwell.
- Store locked up.
- Dispose of contents and container in accordance with local regulations.

Other Hazard Statements: None
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attapulgite Clay</td>
<td>Attapulgite Clay</td>
<td>12174-11-7</td>
<td>Trade Secret</td>
</tr>
<tr>
<td>2H-1,4-Benzoxazine, 4-(dichloroacetyl)-3,4-dihydro-3-methyl</td>
<td>Benoxacor</td>
<td>98730-04-2</td>
<td>&lt;5.0%</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>Other ingredients</td>
<td>Trade Secret</td>
<td>&gt;57.0%</td>
</tr>
<tr>
<td>2-chloro-4-ethylamino-6-isopropylamino-s-triazine</td>
<td>Atrazine</td>
<td>1912-24-9</td>
<td>19.0%</td>
</tr>
<tr>
<td>Acetamide, 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methyl-ethyl)-, (S)</td>
<td>S-Metolachlor</td>
<td>87392-12-9</td>
<td>19.0%</td>
</tr>
<tr>
<td>2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanediione</td>
<td>Mesotrione</td>
<td>104206-82-8</td>
<td>2.44%</td>
</tr>
</tbody>
</table>

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container, label or Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call Syngenta (800-888-8372), a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so after calling 800-888-8372 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Inhalation: If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call Syngenta (800-888-8372), a poison control center or doctor for further treatment advice.

Most important symptoms/effects:

Not Applicable

Indication of immediate medical attention and special treatment needed:

There is no specific antidote if this product is ingested.

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use dry chemical, foam or CO2 extinguishing media. If water is used to fight fire, dike and collect runoff.

Specific Hazards:

Flammable hydrogen gas may be formed on contact with incompatible metals. See "Conditions to Avoid", Section 10.

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

Special protective equipment and precautions for firefighters:

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:
Follow exposure controls/personal protection outlined in Section 8.

Methods and materials for containment and cleaning up:
Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Precautions for safe handling:
Spray solutions of this product should be mixed, stored and applied using only plastic, plastic-lined steel, stainless steel or fiberglass/plastic containers. Concentrate should not be stored or maintained in long-term contact with galvanized steel, carbon steel, aluminum, brass or cast iron.

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities:
Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Occupational Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attapulgite Clay</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Benoxacor</td>
<td>Not Established</td>
<td>Not Established</td>
<td>1 mg/m³ TWA</td>
<td>Syngenta</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atrazine</td>
<td>Not Established</td>
<td>2 mg/m³ TWA (inhalable)</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>S-Metolachlor</td>
<td>Not Established</td>
<td>Not Established</td>
<td>5 mg/m³ TWA</td>
<td>Syngenta</td>
</tr>
<tr>
<td>Mesotrione</td>
<td>Not Established</td>
<td>Not Established</td>
<td>5 mg/m³ TWA</td>
<td>Syngenta</td>
</tr>
</tbody>
</table>

Appropriate engineering controls:
Use effective engineering controls to comply with occupational exposure limits (if applicable).

Individual protection measures:
Ingestion:
Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact:
Where eye contact is likely, use chemical splash goggles.

Skin Contact:
Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.

Inhalation:
A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits.

In case of emergency spills, use a NIOSH certified respirator with any N, R, P or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Olive green to tan, opaque liquid
Odor: Paint
Odor Threshold: Not Available
pH: 4.0 - 4.8 (neat 68°F)
Melting point/freezing point: Not Applicable
Initial boiling point and boiling range: Not Available
Flash Point (Test Method): Not Available
Flammable Limits (% in Air): Not Available
Flammability: Not Available
Vapor Pressure: Atrazine 2.9 x 10(-7) mmHg @ 68°F (20°C)
               Mesotrione < 4.3 x 10(-8) mmHg @ 68°F (20°C)
               S-Metolachlor 2.8 x 10(-5) mmHg @ 77°F (25°C)
Vapor Density: Not Available
Relative Density: 1.08 - 1.12 g/ml @ 68°F (20°C)
Solubility (ies): Atrazine 33 mg/l @ 68°F (20°C)
               Mesotrione 160 mg/l @ 68°F (20°C) (99.7% pure)
               S-Metolachlor 0.46 g/l @ 77°F (25°C)
Partition coefficient: n-octanol/water: Not Available
Autoignition Temperature: Not Available
Decomposition Temperature: Not Available
Viscosity: Not Available
Other: None
10. STABILITY AND REACTIVITY

Reactivity: Not reactive.
Chemical stability: Stable under normal use and storage conditions.
Possibility of hazardous reactions: Will not occur.

Conditions to Avoid: Concentrate should not be stored in galvanized steel, carbon steel or aluminum. Brass and/or cast iron fittings should not be used. Spray solutions should not be mixed, stored or applied in containers other than plastic, plastic-lined steel, stainless or fiberglass/plastic.

Incompatible materials: None known.

Hazardous Decomposition Products: Flammable hydrogen gas may be formed on contact with incompatible metals. See "Conditions to Avoid", Section 10.

11. TOXICOLOGICAL INFORMATION

Health effects information
Likely routes of exposure: Dermal, Inhalation

Symptoms of exposure: Not Applicable

Delayed, immediate and chronic effects of exposure: Possible carcinogenicity

Numerical measures of toxicity (acute toxicity/irritation studies (finished product))

Ingestion: Oral (LD50 Female Rat) : 5000 mg/kg body weight
Dermal: Dermal (LD50 Rat) : > 5050 mg/kg body weight
Inhalation: Inhalation (LC50 Rat) : > 2.71 mg/l air - 4 hours
Eye Contact: Mildly Irritating (Rabbit)
Skin Contact: Slightly Irritating (Rabbit)
Skin Sensitization: Not a Sensitizer (Guinea Pig)

Reproductive/Developmental Effects
Atrazine: None observed.
Mesotrione: Did not show reproductive effects in animal experiments.
S-Metolachlor: Did not show reproductive effects in animal experiments.

Chronic/Subchronic Toxicity Studies
Atrazine: Cardiotoxicity in long term study with high doses (dogs).
Mesotrione: No adverse effect has been observed in chronic toxicity tests.
S-Metolachlor: No adverse effect has been observed in chronic toxicity tests.

Carcinogenicity
Atrazine: Mammary tumors (female Sprague-Dawley rats), sex and strain specific.
None observed (male Sprague-Dawley rats, F-344 rats or mice).
Mesotrione: Did not show carcinogenic effects in animal experiments.
### Toxicity of Other Components

- **Attapulgite Clay**: Prolonged or repeated inhalation of dust may cause a disabling, progressive pulmonary fibrosis. Inhalation hazard may not exist in the liquid form. May cause eye irritation.

- **Benoxacor**: Results in stomach, liver, and kidney toxicity at high doses. Caused tumors in nonglandular portion of stomach of rodents (hitomorphologic region not found in humans). Exposure may cause slight eye irritation. Repeated skin contact may cause a sensitization (allergic) reaction in sensitive individuals.

### Target Organs

- **Active Ingredients**
  - Atrazine: Heart
  - S-Metolachlor: Liver

- **Inert Ingredients**
  - Attapulgite Clay: Lung, eye
  - Benoxacor: Gastrointestinal tract, liver, kidney

### Other Ingredients

- Not Applicable

### 12. ECOLOGICAL INFORMATION

#### Eco-Acute Toxicity

- **Atrazine**
  - Fish (Rainbow Trout) 96-hour LC50 4.5 ppm
  - Green Algae 5-day EC50 49 ppb
  - Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 6.9 ppm
  - Bird (Bobwhite Quail) 12-day LD50 940 mg/kg
LEXAR® EZ HERBICIDE

Date: 7/15/2015
Replaces: 3/27/2015

Environmental Fate

**Atrazine:**
- The information presented here is for the active ingredient, atrazine.

**Mesotrione:**
- The substance has low potential for bioaccumulation. Mesotrione has medium to high mobility in soil.

**S-Metolachlor:**
- The information presented here is for the active ingredient, S-Metolachlor.

13. DISPOSAL CONSIDERATIONS

**Disposal:**
- Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

**Characteristic Waste:**  Not Applicable

**Listed Waste:**  Not Applicable

14. TRANSPORT INFORMATION

**DOT Classification**
- Ground Transport - NAFTA
- Not regulated

**Comments**
- Water Transport - International
  - Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (S-Metolachlor, Atrazine), Marine Pollutant
  - Hazard Class: Class 9
  - Identification Number: UN 3082
  - Packing Group: PG III

- Air Transport
  - Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (S-Metolachlor, Atrazine)
  - Hazard Class: Class 9
  - Identification Number: UN 3082
  - Packing Group: PG III
15. REGULATORY INFORMATION

Pesticide Registration:
This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Caution: Harmful if swallowed. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid contact with eyes and clothing.

EPA Registration Number(s):
100-1414

EPCRA SARA Title III Classification:
Section 311/312 Hazard Classes: Acute Health Hazard
Section 313 Toxic Chemicals: Atrazine 19.0% (CAS No. 1912-24-9)

CERCLA/SARA 304 Reportable Quantity (RQ):
Not Applicable

RCRA Hazardous Waste Classification (40 CFR 261):
Not Applicable

TSCA Status:
Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

NFPA Hazard Ratings

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
<td></td>
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</tbody>
</table>

HMIS Hazard Ratings

<table>
<thead>
<tr>
<th></th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

Reactivity: 4 Extreme
Chronic: * 

Syngenta Hazard Category: D

For non-emergency questions about this product call:
1-800-334-9481

Original Issued Date: 6/2/2011
Revision Date: 7/15/2015
Replaces: 3/27/2015
Section(s) Revised: 2, 4, 11, 16

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.