



Zoecon Altosid Liquid Larvicide Mosquito Growth Regulator

Safety Data Sheet

Date of issue: 05/31/2017

Supersedes: 02/01/2016

Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Zoecon Altosid Liquid Larvicide Mosquito Growth Regulator
Synonyms : 37240E, Altosid Liquid Larvicide, EPA Reg. No.: 2724-392, 100530325

1.2. Recommended use and restrictions on use

Recommended use : Insect growth regulator.
Restrictions on use : Avoid contact with skin and eyes, Keep out of reach of children.

1.3. Supplier

Wellmark International
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173 - United States
www.centralmosquitocontrol.com

1.4. Emergency telephone number

Emergency number : 1-888-914-2082
1-800-424-9300 - CHEMTREC
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|-------------------|----------------------|---------|
| (s)-Methoprene | (CAS-No.) 65733-16-6 | 5 |
| Other ingredients | (CAS-No.) N/A | Balance |

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : 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 and attention.
First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

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4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Avoid heavy hose streams.

5.2. Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep only in original container.
Incompatible materials : Strong acids. Strong bases. Strong oxidizers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

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Skin and body protection:

Wear suitable protective clothing



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|----------------------------------|
| Physical state | : Liquid |
| Appearance | : Creamy white, opaque liquid. |
| Color | : Creamy white |
| Odor | : Characteristic of hydrocarbons |
| Odor threshold | : No data available |
| pH | : 6.85 |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No flash |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Not applicable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : 1 (25 °C) |
| Solubility | : No data available |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : 165 cP (20 °C) |
| Explosion limits | : No data available |
| Explosive properties | : Not explosive |
| Oxidizing properties | : Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Zoecon Altosid Liquid Larvicide Mosquito Growth Regulator | |
|---|---------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5.2 mg/l/4h |
| pH | 6.85 |

| GHS-US Properties | Classification |
|--|----------------|
| Acute toxicity | Not classified |
| Skin corrosion/irritation | Not classified |
| Serious eye damage/irritation | Not classified |
| Respiratory or skin sensitization | Not classified |
| Germ cells mutagen | Not classified |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Not classified |
| Specific target organ toxicant (single exposure) | Not classified |
| Specific target organ toxicant (repeated exposure) | Not classified |
| Aspiration hazard | Not classified |

Potential health effects

Skin

Acute : Causes mild skin irritation.

Eye

Acute : Causes mild eye irritation.

Mutagenicity : (s)-Methoprene has been tested and found negative for mutagenicity potential.

Carcinogenicity : (s)-Methoprene is not classified as carcinogen by NTP, IARC and OSHA.

Reproductive Effects : (s)-Methoprene is not a reproductive toxin.

SECTION 12: Ecological information

12.1. Toxicity

| (s)-Methoprene (65733-16-6) | |
|-----------------------------|--|
| LC50 Acute fish 1 | 0.76 mg/l (Exposure time: 96h - Rainbow trout) |
| LC50 Acute fish 2 | > 0.37 mg/l (Exposure time: 96h - Blue gill) |
| LC50 Acute crustacea 1 | 0.11 mg/l (Exposure time: 96h - Mysid shrimp) |
| NOEC Chronic fish 1 | 0.048 mg/l (Fathead minnow) |
| NOEC Chronic crustacea 1 | 0.014 mg/l (Mysid shrimp) |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| (s)-Methoprene (65733-16-6) | |
|-----------------------------|-----|
| Log Kow | 6.3 |

12.4. Mobility in soil

| (s)-Methoprene (65733-16-6) | |
|-----------------------------|---|
| Mobility in soil | 10-14 days, rapidly hydrolyzed in soil. |

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

| | UN number | Proper Shipping Name | Transport hazard class(es) | Packing group | Environmental hazards |
|-------------|---------------|----------------------|----------------------------|---------------|-----------------------|
| DOT | Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| IMDG | Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| IATA | Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |

SECTION 15: Regulatory information

15.1. US Federal regulations

| FIFRA Labelling | |
|--|---|
| EPA Registration Number | 2724-392 |
| 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. | |
| FIFRA Signal Word | Caution |
| FIFRA Hazard Statement | KEEP OUT OF REACH OF CHILDREN. |
| FIFRA Hazards to Humans and Domestic Animals | 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. |
| FIFRA 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. Call a poison control center or doctor for treatment advice. |
| FIFRA Environmental Hazards | Do not contaminate water when disposing of rinsate or equipment washwaters or rinsate. |

15.2. US State regulations

No additional information available

SECTION 16: Other information

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SDS US (GHS HazCom 2012) - CGP

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