

## SECTION 1: Identification

### 1.1. Identification

Product form	: Mixture
Name	: Zoecon Altosid XR-G
Synonyms	: 37330, 38880, 100544004, EPA Reg. No.: 2724-451, Altosid Pro-G, RF9010, Zoecon 9010 GR, Zoecon Altosid Pro-G Insect Growth Regulator

### 1.2. Recommended use and restrictions on use

Recommended use	: Insect growth regulator.
Restrictions on use	: Keep out of reach of children and domestic animals. Avoid all contact with skin, eyes, or clothing. Avoid breathing dust.

### 1.3. Supplier

Wellmark International  
 1501 E. Woodfield Road, Suite 200W  
 Schaumburg, IL 60173 - United States  
[www.centralmosquitocontrol.com](http://www.centralmosquitocontrol.com)

### 1.4. Emergency telephone number

Emergency number	: 1-800-248-7763 1-800-424-9300 - CHEMTREC 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted
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## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

Carcinogenicity Category 1A	May cause cancer
Specific target organ toxicity (repeated exposure) Category 1	Causes damage to organs through prolonged or repeated exposure

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

Hazard pictograms (GHS US)	:  GHS08
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: May cause cancer Causes damage to organs through prolonged or repeated exposure
Precautionary statements (GHS US)	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fume, gas, mist, vapors, spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection, face protection. If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Store locked up. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification	: 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 naturally occurring 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
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# Zoecon Altosid XR-G

## Safety Data Sheet

in light of studies conducted that indicate there is minimal liberation of particulates from the product during extreme handling or transport.

### 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 Technical	(CAS-No.) 65733-16-6	1.5
Silica, crystalline - quartz	(CAS-No.) 14808-60-7	90.6
Non-hazardous and/or does not meet criteria for classification	(CAS-No.) N/A	Balance

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention.
- 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.

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

- Symptoms/effects : May cause damage to organs.

### 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.
- Unsuitable extinguishing media : Avoid heavy hose streams.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Material is non-combustible and is not expected to pose a fire or explosion hazard.
- 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 : Only qualified personnel equipped with suitable protective equipment may intervene. Avoid contact with skin, eyes and clothing. 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.
- Emergency procedures : Do not scatter spilled material with high pressure water streams. Do NOT wash away into sewer. Avoid release to the environment. Evacuate unnecessary personnel. Stay upwind. Stop leak if safe to do so. Ventilate area. Wear appropriate personal protective equipment, avoid direct contact.

### 6.2. Environmental precautions

Avoid release to the environment.

# Zoecon Altosid XR-G

## Safety Data Sheet

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Use appropriate PPE. Sweep or scoop spills, dispose of any unusable material in approved landfill.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Provide local exhaust or general room ventilation. Wear personal protective equipment.

Hygiene measures : Separate working clothes from town clothes. Launder separately. 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 : Keep only in original container. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Store in a cool dry place.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Silica, crystalline - quartz (14808-60-7)		
ACGIH	ACGIH OEL TWA	0.025 mg/m <sup>3</sup> : (respirable particulate matter)
OSHA	OSHA PEL TWA [1]	50 µg/m <sup>3</sup>
IDLH	IDLH	50 mg/m <sup>3</sup> : (respirable dust)
NIOSH	NIOSH REL TWA	0.05 mg/m <sup>3</sup> : (respirable dust)

### 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

#### Skin and body protection:

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

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Dark gray to black granules

Color : Dark gray to black

Odor : Mild hydrocarbon

Odor threshold : No data available

pH : No data available

Melting point : 1610 °C (2930 ° F)

# Zoecon Altosid XR-G

## Safety Data Sheet

Freezing point	: Not applicable
Boiling point	: 2230 °C (4046° F)
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Non-flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: Not applicable
Density	: 2.4 g/cm <sup>3</sup>
Bulk density	: 1.6 g/cc (100 lb/cu ft)
Solubility	: Insoluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
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. Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Zoecon Altosid XR-G	
LD50 oral rat	> 4000 mg/kg
LD50 dermal rat	> 4000 mg/kg

Silica, crystalline - quartz (14808-60-7)	
Listed on IARC (International Agency for Research on Cancer), Listed as carcinogen on NTP (National Toxicology Program)	
IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	Known Human Carcinogens
In OSHA Hazard Communication Carcinogen list?	Yes

GHS-US Properties	Classification
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified

# Zoecon Altosid XR-G

## Safety Data Sheet

Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	May cause cancer.
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified

### Potential health effects

#### Inhalation

Acute : 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 : 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 : Essentially non-irritating.

#### Eye

Acute : Essentially non-irritating.

#### Ingestion

Acute : Under normal conditions of use, no health effects are expected.

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

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

**Reproductive Effects** : (s)-Methoprene is not a reproductive toxin and does not cause birth defects.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>(s)-Methoprene Technical (65733-16-6)</b>	
LC50 Acute fish 1	0.76 mg/l (Exposure time: 96hr Oncorhynchus mykiss)
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)
LC50 Acute crustacea 2	0.36 mg/l (Exposure time: 48h Daphnia)
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

<b>(s)-Methoprene Technical (65733-16-6)</b>	
Persistence and degradability	(s)-Methoprene degrades rapidly in sunlight, both in water and on inert surfaces. The pesticide also is metabolized rapidly in soil and does not leach. Thus, it should not persist in soil or contaminate ground water.

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

<b>(s)-Methoprene Technical (65733-16-6)</b>	
Mobility in soil	Rapidly metabolized in soil under both aerobic and anaerobic conditions (half-life 10-14 days).

### 12.5. Other adverse effects

No data available

## 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.

# Zoecon Altosid XR-G

## Safety Data Sheet

### SECTION 14: Transport information

	UN number	Proper Shipping Name	Transport hazard class(es)	Packing group	Environmental hazards
<b>DOT</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
<b>IMDG</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable
<b>IATA</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

<b>Silica, crystalline - quartz (14808-60-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA Labelling</b>	
EPA Registration Number	2724-451
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 Hazard statements	<b>Caution</b>
FIFRA Precautionary statements	KEEP OUT OF REACH OF CHILDREN.
FIFRA 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.
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. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
FIFRA Environmental hazards	Do not contaminate water when disposing of rinsate or equipment wash waters.

#### 15.2. US State regulations

No additional information available

### SECTION 16: Other information

Issue date : 24 January 2014  
Revision date : 18 January 2023  
Supersedes : 01 October 2020

Indication of changes:

Revised Sec. 1: Revised material number(s).

SDS US (GHS HazCom 2012) - CGP

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