

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Trade name : Altosid XR Briquets  
 Synonyms : PCP #: 27694, 23660A

#### 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 contact with eyes, skin or clothing.

#### 1.3. Supplier

Wellmark International  
 100 Stone Road West, Suite 111  
 Guelph ON N1G 5L3 - Canada

#### 1.4. Emergency telephone number

Emergency number : 1-800-688-7378  
 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

Serious eye damage/eye irritation Category 2B Causes eye irritation  
 Carcinogenicity Category 1A May cause cancer

#### 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) : Causes eye irritation  
 May cause cancer  
 Precautionary statements (GHS US) : Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Wash hands, forearms and face thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 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.  
 If exposed or concerned: Get medical advice/attention.  
 Store locked up.  
 Dispose of contents/container in accordance with local/regional/national/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 in light of studies conducted that indicate there is minimal liberation of particulates from the product during extreme handling or transport.

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### 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 | 2.1     |
| Plaster of paris   | (CAS-No.) 26499-65-0 | > 80.88 |
| Silica, crystalline - quartz                                   | (CAS-No.) 14808-60-7 | < 0.82  |
| 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 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 after eye contact : Causes mild eye irritation.

### 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 chemical. 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 : Wear appropriate personal protective equipment, avoid direct contact.

#### 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 : Ventilate area. Do NOT wash away into sewer. Avoid release to the environment. Stay upwind. Wear appropriate personal protective equipment, avoid direct contact.

### 6.2. Environmental precautions

Avoid release to the environment.

### 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.

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### 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. Avoid contact with skin and eyes.
- Hygiene measures : Wash contaminated clothing before reuse. 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 locked up. Store in a cool dry place. Protect from sunlight. Store in a well-ventilated place.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Plaster of paris (26499-65-0)             |                  |  |
|---|------------------|--|
| OSHA                                      | OSHA PEL TWA [1] | 15 mg/m <sup>3</sup> (total dust)<br>5 mg/m <sup>3</sup> (respirable fraction) |
| NIOSH                                     | NIOSH REL TWA    | 10 mg/m <sup>3</sup> (total dust)<br>5 mg/m <sup>3</sup> (respirable dust)     |
| 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:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, use NIOSH approved respiratory protection.



### SECTION 9: Physical and chemical properties

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

- Physical state : Solid
- Appearance : White to gray briquet
- Color : White to gray
- Odor : Slight hydrocarbon

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|   |                           |
|---|---------------------------|
| Odor threshold                                  | : No data available       |
| pH  | : No data available       |
| Melting point                                   | : No data available       |
| Freezing point                                  | : Not applicable          |
| Boiling point                                   | : No data available       |
| Flash point                                     | : Not applicable          |
| Relative evaporation rate (butyl acetate=1)     | : No data available       |
| Flammability (solid, gas)                       | : Non-flammable           |
| Vapor pressure                                  | : No data available       |
| Relative vapor density at 20 °C                 | : No data available       |
| Relative density                                | : 1.04 g/cc (64.9 lb/ft3) |
| Solubility                                      | : No data available       |
| 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                              | : Not applicable          |
| 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

Avoid direct sunlight.

### 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

| Altosid XR Briquets |              |
|---------------------|--------------|
| LD50 oral rat       | > 5100 mg/kg |
| LD50 dermal rabbit  | > 2100 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 |

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|  |                        |
|--|------------------------|
| Serious eye damage/irritation                      | Causes eye irritation. |
| 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) | Not classified         |
| Aspiration hazard                                  | Not classified         |

### Potential health effects

#### Inhalation

- Acute : Under normal conditions of use, no health effects are expected.
- 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 : May cause mild mechanical irritation.

#### Eye

- Acute : Causes mild eye irritation.

#### 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: 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)  |
| LC50 Acute crustacea 2                       | 0.36 mg/l (Exposure time: 48h - Daphnia magna) |
| 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.

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### 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

##### Silica, crystalline - quartz (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### EPA Labelling

EPA Registration Number

PCP #: 27694

PMRA INFORMATION: This chemical is a pesticide registered by the Pest Management Regulatory Agency and is subject to certain labeling requirements under the Pest Control Products Act.

FIFRA Hazard statements

##### Caution

FIFRA Precautionary statements

KEEP OUT OF REACH OF CHILDREN.

FIFRA Hazards to Humans and Domestic Animals

May irritate eyes. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wear chemical resistant gloves when handling and/or applying product. Do not use on food crops or in water which may be used for immediate human or livestock drinking purposes. This product contains a petroleum distillate which is toxic to aquatic organisms. Avoid contamination of aquatic systems other than the target areas during the application of this product. Do not contaminate these non-target aquatic systems through direct application, disposal of waste or cleaning equipment.

FIFRA First aid

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. 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. Call a poison control center or doctor for treatment advice.  
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.  
IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible. Call poison control center or doctor for treatment advice.  
Take the container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

FIFRA Environmental hazards

#### 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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