

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name	<ul style="list-style-type: none"> • Altosid XR-G
Chemical Name	<ul style="list-style-type: none"> • Terpenoid
Synonyms	<ul style="list-style-type: none"> • Altosid Pro-G; Zoecon 9010 GR
Product Code	<ul style="list-style-type: none"> • 38880; EPA Registration No: 2724-451; SAP #: 37330
Chemical Category	<ul style="list-style-type: none"> • Terpenes and terpenoids, limonene fractionated, polymer with terpenes and terpenoids, .beta....
Product Description	<ul style="list-style-type: none"> • Dark gray to black granules with a slight hydrocarbon odor.
Molecular Formula	<ul style="list-style-type: none"> • C19 H34 O3

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

Recommended use	<ul style="list-style-type: none"> • Insect growth regulator; Pesticide
Restrictions on use	<ul style="list-style-type: none"> • Keep out of public waterways except as permitted by applicable government authorities. Avoid contact with skin and eyes. Keep out of reach of children.

Details of the supplier of the safety data sheet

Manufacturer	<ul style="list-style-type: none"> • Wellmark International 1501 E. Woodfield Road Suite 200 West Schaumburg, IL 60173 United States
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Emergency telephone number

Manufacturer	<ul style="list-style-type: none"> • 1-800-248-7763
Manufacturer	<ul style="list-style-type: none"> • 1-800-424-9300 - CHEMTREC
Manufacturer (Transportation)	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • No data available; does not meet hazard criteria
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Label elements

OSHA HCS 2012	<ul style="list-style-type: none"> • Hazard statements No label element(s) required
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Other hazards**OSHA HCS 2012**

- No data available; does not meet hazard criteria.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Substances**Mixtures**

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
(s)-Methoprene Technical		1.6%		OSHA HCS 2012:	NDA
Proprietary	Proprietary	4.03%	NDA	OSHA HCS 2012:	NDA
Proprietary	Proprietary	90.31%	NDA	OSHA HCS 2012:	NDA
Proprietary	Proprietary	1.9%	Ingestion/Oral-Rat LD50 • >90 mL/kg	OSHA HCS 2012:	NDA
Proprietary	Proprietary	1.16%	NDA	OSHA HCS 2012:	NDA
Proprietary	Proprietary	0.9%	NDA	OSHA HCS 2012:	NDA
Proprietary	Proprietary	0.01%	NDA	OSHA HCS 2012:	NDA
Proprietary	Proprietary	0.02%	Ingestion/Oral-Rat LD50 • 2100 mg/kg Ingestion/Oral-Mouse LD50 • 1700 mg/kg Ingestion/Oral-Rabbit LD50 • 2750 mg/kg Ingestion/Oral-Pig LD50 • >6 g/kg Ingestion/Oral-Hamster LD50 • 2480 mg/kg	OSHA HCS 2012:	NDA
Proprietary	Proprietary	0.07%	Ingestion/Oral-Rat LD50 • 2960 mg/kg Inhalation-Rat LC50 • 2410 mg/m ³ 4 Hour(s) Skin-Rat LD50 • >2 g/kg Ingestion/Oral-Mouse LD50 • 1280 mg/kg Ingestion/Oral-Rabbit LD50 • >3175 mg/kg Skin-Rabbit LD50 • 10 mL/kg Ingestion/Oral-Guinea Pig LD50 • 10 g/kg	OSHA HCS 2012:	NDA

See Section 11 for Toxicological Information.

Section 4: First-Aid Measures

Description of first aid measures

- Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
- Skin**
- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing.
- Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.
- Ingestion**
- No data available.

Most important symptoms and effects, both acute and delayed

- No data available

Indication of any immediate medical attention and special treatment needed

Other information

- Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

See Section 2 for Potential Health Effects.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.

- Unsuitable Extinguishing Media**
- No data available.

- Firefighting Procedures**
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away.
LARGE FIRES: Do not scatter spilled material with high pressure water streams.
LARGE FIRES: Move containers from fire area if you can do it without risk. Stay upwind.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- None known.

- Hazardous Combustion Products**
- No data available.

Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Do not walk through spilled material.

- Emergency Procedures**
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.

Environmental precautions

- Runoff from fire control may cause pollution.

Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- SMALL DRY SPILLS: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

Section 7 - Handling and Storage

Precautions for safe handling

Handling ● Avoid contact with skin or eyes.

Conditions for safe storage, including any incompatibilities

Storage ● Store closed containers in a cool dry place. Do not contaminate water, food or feed by storage or disposal.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines			
	Result	ACGIH	NIOSH
Proprietary (Proprietary)	TWAs	0.025 mg/m ³ TWA (respirable fraction)	0.05 mg/m ³ TWA (respirable dust)

Exposure Control Notations

ACGIH

- Proprietary (Proprietary): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Proprietary (Proprietary): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Proprietary (Proprietary): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen (synthetic nonfibrous))
- Proprietary (Proprietary): **Carcinogens:** (A2 - Suspected Human Carcinogen)

Exposure Limits Supplemental

OSHA

- Proprietary (Proprietary): **Mineral Dusts:** ((30)/(%SiO₂ + 2) mg/m³ TWA, total dust; (250)/(%SiO₂ + 5) mppcf TWA, respirable fraction; (10)/(%SiO₂ + 2) mg/m³ TWA, respirable fraction)

Exposure controls

Engineering Measures/Controls ● No data available

Personal Protective Equipment

Pictograms



Respiratory ● In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face ● Wear protective eyewear (goggles, face shield, or safety glasses).

Hands ● Wear appropriate gloves.

Skin/Body ● No data available

General Industrial Hygiene Considerations ● Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls ● No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid granules	Appearance/Description	Dark gray to black granules.

Color	Dark gray to black.	Odor	Fruity herbal.
Taste	No data available	Particulate Type	Dust
Odor Threshold	No data available	Physical and Chemical Properties	No data available
General Properties			
Boiling Point	110 C(230 F)	Melting Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	No data available	Specific Gravity/Relative Density	1.04 Water=1
Density	No data available	Bulk Density	2.438 g/cm ³
Water Solubility	Practically insoluble	Solvent Solubility	No data available
Viscosity	No data available	Explosive Properties	No data available
Oxidizing Properties:	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	No data available
VOC (Vol.)	No data available	Volatiles (Wt.)	No data available
Volatiles (Vol.)	No data available		
Flammability			
Flash Point	No data available	UEL	No data available
LEL	No data available	Flame Duration	No data available
Heat of Combustion (ΔH_c)	No data available	Burning Time	No data available
Autoignition	No data available	Flammability (solid, gas)	Not Flammable.
Environmental			
Half-Life	No data available	Octanol/Water Partition coefficient	No data available
Coefficient of water/oil distribution	No data available	Bioaccumulation Factor	No data available
Bioconcentration Factor	No data available	Biochemical Oxygen Demand BOD/BOD5	No data available
Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

Section 10: Stability and Reactivity

Reactivity

- No data available

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- No data available.

Incompatible materials

- No data available.

Hazardous decomposition products

- No data available.

Section 11 - Toxicological Information

Information on toxicological effects

Component Name	CAS	Data
(s)-Methoprene Technical (1.6%)	65733-16-6	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; Inhalation-Rat LC50 • 5.19 mg/L 4 Hour (s); Skin-Rabbit LD50 • >5000 mg/kg

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate)**
- Under normal conditions of use, no health effects are expected. Exposure to dust may cause mild irritation.
- Chronic (Delayed)**
- No data available.

Skin

- Acute (Immediate)**
- Under normal conditions of use, no health effects are expected. Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)**
- No data available.

Eye

- Acute (Immediate)**
- Under normal conditions of use, no health effects are expected. Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)**
- No data available.

Ingestion

- Acute (Immediate)**
- Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
- No data available.

Carcinogenic Effects

- Exposure to silica dust from the finished product is not expected to occur due to the manner in which the constituents are bound. Finished product not considered carcinogenic.

Carcinogenic Effects			
	CAS	IARC	NTP
Proprietary	Proprietary	Group 1-Carcinogenic	Known Human Carcinogen

Section 12 - Ecological Information

Toxicity

Altosid XR-G					
Dosage	Species	Duration	Results	Exposure Conditions	Comments
= 360 ppb	Water Flea: NDA	NDA	NDA	NDA	NDA
= 760 ppb	Fish: Blue gill	NDA	LC50	NDA	NDA
> 370 ppb	Fish: Trout	NDA	LC50	NDA	NDA
Component		CAS	Data		Comments
(s)-Methoprene Technical (1.6%)		65733-16-6	Crustacea: LC50 Crustacea 360 ppb ; Fish: LC50 Fish 370 ppb ; LC50 Fish 760 ppb		

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- 10-14 days, rapidly hydrolyzed in soil.

Other adverse effects

Ecological Fate

- Not hydrolyzed up to 30 days.

Other Information

- 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

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Non-regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

Special precautions for user

- No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- No data available

Other information

- Freight Classification: Insecticides, NOI other than poison.

IATA/ICAO • Non-regulated

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture**SARA Hazard Classifications** ● Not regulated**FIFRA – Pesticide Labeling**

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.

Precautionary Statements ● KEEP OUT OF THE REACH OF CHILDREN**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.**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. Call a poison control center or doctor for treatment advice.**Section 16 - Other Information****Last Revision Date** ● 24/January/2014**Preparation Date** ● 24/January/2014**Disclaimer/Statement of Liability** ● The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IF MADE.