

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

**Product Name** • **Amdro Quick Kill Home Perimeter Insect Killer Granules**

**Synonyms** • 100526851; EPA Reg. No.: 279-3346-90098; UPC #: 8-13576-00409-5

**Product Description** • Gray to tan colored granules.

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

**Recommended use** • Home Perimeter insecticide.

**Restrictions on use** •  
Keep out of reach of children and domestic animals. Avoid breathing dust. Avoid contact with eyes, skin and clothing.

#### Details of the supplier of the safety data sheet

**Manufacturer** • Central Garden & Pet, Garden Division  
1000 Parkwood Circle, Suite 700  
Atlanta, GA 30339  
United States  
  
www.amdro.com

#### Emergency telephone number

**Manufacturer** • 1-800-265-0761

**Manufacturer (Transportation)** • 1-800-424-9300 - CHEMTREC

**Manufacturer (Transportation)** • 1-703-527-3887 - CHEMTREC - Outside US 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 • Carcinogenicity 1A

#### Label elements

OSHA HCS 2012

**DANGER**



**Hazard statements** • May cause cancer.

#### Precautionary statements

**Prevention** • Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • IF exposed or concerned: Get medical advice/attention.

**Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Store locked up.

## Other hazards

### OSHA HCS 2012

• This pesticide is extremely toxic to fish, aquatic invertebrates including oysters and shrimp. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Section 3 - Composition/Information on Ingredients

### Substances

• Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

### Mixtures

Composition		
Chemical Name	Identifiers	%
Bifenthrin	CAS:82657-04-3	0.115%
Zeta-cypermethrin	CAS:52315-07-8	0.029%
Silica, crystalline - quartz	CAS:14808-60-7	> 0.1%
Other ingredients	NDA	Balance

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

• IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms occur.

#### Skin

• IF ON SKIN: Wash skin with soap and water. If irritation develops and persists, get medical attention.

#### Eye

• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

#### Ingestion

• IF SWALLOWED: Call a POISON CONTROL center or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed by medical personnel.

## Most important symptoms and effects, both acute and delayed

- May cause cancer. Refer to Section 11 - Toxicological Information.

## Indication of any immediate medical attention and special treatment needed

### Notes to Physician

- This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Digestible fats, oils or alcohol may increase absorption and so should be avoided. Treat symptomatically and supportively.

## Section 5: Fire-Fighting Measures

### Extinguishing media

- Suitable Extinguishing Media**
- SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.
  - LARGE FIRE: Water spray, fog or regular foam.

- Unsuitable Extinguishing Media**
- Avoid heavy hose streams.

### Special hazards arising from the substance or mixture

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

- Hazardous Combustion Products**
- Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

### Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment, avoid direct contact.

- Emergency Procedures**
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

### Environmental precautions

- No data available

### Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Sweep or scoop up spills, dispose of any unusable material in approved landfill. Use appropriate Personal Protective Equipment (PPE).

## Section 7 - Handling and Storage

### Precautions for safe handling

#### Handling

- Avoid contact with skin, eyes, and clothing. Avoid breathing dust. To minimize dust generation and accumulation, spills should be cleaned up and dust accumulations should be removed promptly. Wash thoroughly with soap and water after handling.

## Conditions for safe storage, including any incompatibilities

### Storage

- Store in a cool/low-temperature, well-ventilated, dry place. Avoid humid or wet conditions. Keep out of reach of children. Keep container tightly closed. Store locked up.

### Incompatible Materials or Ignition Sources

- No data available.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Silica, crystalline - quartz (14808-60-7)	TWAs	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	0.05 mg/m <sup>3</sup> TWA (respirable dust)	0.05 mg/m <sup>3</sup> TWA (respirable dust)

### Exposure Control Notations

#### ACGIH

- Silica, crystalline - quartz (14808-60-7): **Carcinogens:** (A2 - Suspected Human Carcinogen)

### Exposure Limits Supplemental

#### OSHA

- Silica, crystalline - quartz (14808-60-7): **Mineral Dusts:** ((30)/( %SiO<sub>2</sub> + 2) mg/m<sup>3</sup> TWA, total dust; (250)/( %SiO<sub>2</sub> + 5) mppcf TWA,

#### ACGIH

- Silica, crystalline - quartz (14808-60-7): **TLV Basis - Critical Effects:** (lung cancer; pulmonary fibrosis)

## Exposure controls

### Engineering

#### Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

### Personal Protective Equipment

#### Pictograms



#### Respiratory

- If handling without sufficient ventilation, wear a NIOSH approved respirator with organic cartridge.

#### Eye/Face

- Wear safety glasses.

#### Hands

- Wear appropriate gloves.

#### Skin/Body

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

### General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice.

### Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Grey and tan colored granules.
Color	Grey and tan.	Odor	Odorless to light hydrocarbon.
Particulate Size	30 µm	Odor Threshold	No data available
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	= 2.66 Water=1	Bulk Density	No data available
Water Solubility	Insoluble	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

### Reactivity

- Non-reactive under normal handling and storage conditions.

### Chemical stability

- Stable

### Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### Conditions to avoid

- Extreme heat, high humidity or moisture.

### Incompatible materials

- No data available.

### Hazardous decomposition products

- Flammable/toxic gases will form at elevated temperatures by thermal decomposition.

## Section 11 - Toxicological Information

### Information on toxicological effects

Components		
Bifenthrin (0.115%)	82657-04-3	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 54500 µg/kg; Skin-Rabbit LD50 • >2 g/kg

Zeta-cypermethrin (0.029%)	52315-07-8	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • >2000 mg/kg; Inhalation-Rat LC50 • 0.97 4 Hour(s); Skin-Rat LD50 • >5000 mg/kg; <b>Irritation:</b> Eye-Rabbit • Mild irritation; Skin-Rabbit • Moderate irritation
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GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1A
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met

## Potential Health Effects

### Inhalation

#### Acute (Immediate)

- Exposure to dust may cause mild respiratory irritation.

#### Chronic (Delayed)

- Repeated or prolonged inhalation of dust may cause respiratory irritation. Repeated and prolonged exposure to crystalline silica containing materials may cause irritation and/or lung damage silicosis, fibrosis, inflammation, cancer.

### Skin

#### Acute (Immediate)

- Exposure to dust may cause mechanical irritation.

#### Chronic (Delayed)

- No data available.

### Eye

#### Acute (Immediate)

- 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

### Other

#### Chronic (Delayed)

- No data available.

### Mutagenic Effects

- No data available.

### Carcinogenic Effects

- Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans.

Carcinogenic Effects			
	CAS	IARC	NTP
Silica, crystalline - quartz	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen

**Reproductive Effects** • No data available.

## Section 12 - Ecological Information

### Toxicity

Components		
Bifenthrin (0.115%)	82657-04-3	<b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 <i>Bluegill sunfish</i> 0.00035 mg/L [acute] 96 Hour(s) LC50 <i>Rainbow trout</i> 0.00015 mg/L [acute] <b>Aquatic Toxicity-Crustacea:</b> 96 Hour(s) LC50 <i>Mysid shrimp</i> 0.000004 mg/L [acute] 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.0016 mg/L [acute]
Zeta-cypermethrin (0.029%)	52315-07-8	<b>Aquatic Toxicity-Fish:</b> 96 Hour(s) LC50 0.00069 mg/L [Acute] 21 Day(s) NOEC 0.000015 mg/L [Chronic] <b>Aquatic Toxicity-Crustacea:</b> 48 Hour(s) EC50 0.00014 mg/L [Acute] 21 Day(s) NOEC 0.00001 mg/L [Chronic] <b>Aquatic Toxicity-Algae and Other Aquatic Plant(s):</b> 72 Hour(s) EC50 Algae >1 mg/L [Acute]

### Persistence and degradability

- No data available

### Bioaccumulative potential

- No data available.

### Mobility in Soil

- No data available.

### Other adverse effects

#### Potential Environmental Effects

- This product is extremely toxic to aquatic organisms, including fish and invertebrates.

## 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	UN3077	Bulk packaging only: Environmentally hazardous substance, solid, n.o.s. (Zeta-cypermethrin, Bifenthrin)	9	III	Marine Pollutant
IMO/IMDG	UN3077	Packaging 5 kg or greater: Environmentally hazardous substance, solid, n.o.s. (Zeta-cypermethrin, Bifenthrin)	9	III	Marine Pollutant
IATA/ICAO	UN3077	Packaging 5 kg or greater: Environmentally hazardous substance, solid, n.o.s. (Zeta-cypermethrin, Bifenthrin)	9	III	Acute Aquatic Toxicity

**Special precautions for user** • None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** • No data available

**Other information**

**IMO/IMDG** • No data available

**IATA/CAO** • No data available

## Section 15 - Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications** • Chronic, SARA Title III Section 313

### 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.

#### CAUTION

**Hazard Statements** • Keep out of reach of children.

#### Precautionary Statements •

**Hazards to Humans and Domestic Animals**

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, or clothing. Prolonged or repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt and long pants, socks, shoes and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or the toilet.

#### First Aid •

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats and oils or alcohol may increase absorption and so should be avoided.

#### Environmental Hazards •

This pesticide is extremely toxic to aquatic organisms, including fish, aquatic invertebrates, oysters and shrimp. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to waterbodies or drainage systems.

Inventory		
Component	CAS	TSCA



Bifenthrin	82657-04-3	No
Silica, crystalline - quartz	14808-60-7	Yes
Zeta-cypermethrin	52315-07-8	No

## United States

### Environment

#### U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Silica, crystalline - quartz	14808-60-7	Not Listed
• Zeta-cypermethrin	52315-07-8	Not Listed
• Bifenthrin	82657-04-3	1.0 % de minimis concentration

## Section 16 - Other Information

**Revision Date** • 10/August/2016

**Last Revision Date** • 10/August/2016

**Preparation Date** • 10/August/2016

**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 IS MADE.