

Safety Data Sheet Issue date: 08/10/2016

Revision date: 07/12/2023

Supersedes: 03/20/2023

Version: 1.2

5 1.2. Recommended use and restrictions on use Recommended use : Insecticide. Restrictions on use : Keep out of reach of children. Avoid contact with eyes, skin or clothing. Avoid breathing dust 1.3. Supplier Contral Carden & Pet, Garden Division 1.000 Parkwood Crice, Suite 700 Atlanta, GA 30339 - United States gardendivision@central.com		
Product form : MuRe MuRe Name : AMDRO Quick Kill Insect Killer for Home Perimeter Symmyms : 100550402, 100550402, IPA Reg. No.: 279-3348-90098; UPC #: 8-13576-0040 12. Recommended use and restrictions on use : Insecticide. Recommended use : Insecticide. Restrictions on use : Keep out of reach of children. Avoid contact with eyes, skin or clothing. Avoid breathing dust 13. Suppler : Keep out of reach of children. Avoid contact with eyes, skin or clothing. Avoid breathing dust 14. Emergency telephone number : 1:000-245-0761 1:000-245-0701 ::000-245-0761 ::000-245-0761 1:000-245-0701 ::000-245-0761 ::000-245-0761 1:000-245-0701 ::000-245-0761 ::000-245-0761 1:000-245-0701 ::000-245-0761 ::000-245-0761 1:000-245-0701 ::000-245-0761 ::000-245-0761 1:000-245-0761 ::000-245-0761 ::000-245-0761 1:000-245-0761 ::000-245-0761 ::000-245-0761 1:000-245-0761 ::000-245-0761 ::000-245-0761 1:000-245-0761 ::000-245-076	SECTION 1: Identification	
Name : AMDRO Quick Kill insect Killer for Home Perimeter: Synonyms : 100550461, 100550462, EPA Reg. No: 279-3346-90098; UPC #: 8-13576-0044 Stereormended use and restrictions on use Insectionia Recommended use and restrictions on use Insectionia Contral Gardan A Pel, Gardon Division 1000 Parkwood Cricle, Suite 700 Insectionia System of Cricle, Suite 700 Insectionia System of Cricle, Suite 700 Insocriction of the subtance or mixer System of Cricle, Suite 700 Insocriction of the subtance or mixer System of Cricle, Suite 700 Insocriction of the subtance or mixer System of the subtance or mixer Carlon System of the subtance or mixer System of Call System of the subtance or mixer Carlon System of the subtance or mixer System of (CHS US) : Darger Carlon System of (SHS US) : Darger System of (CHS US) : Darger Carlon System of the subtance or mixer of carease cancar Carlon System of the subtance or mixer	1.1. Identification	
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		United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this
Not applicable		

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2.	Mixtures		
Nan	10	Product identifier	%
Zeta	cypermethrin	(CAS-No.) 52315-07-8	0.029
Bifer	thrin	(CAS-No.) 82657-04-3	0.115
Silica	a, crystalline - quartz	(CAS-No.) 14808-60-7	90 – 99
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. Wash skin with plenty of water. Take off contaminated clothing. 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 effect	s (acute and delayed)
Symptoms/effects after inhalation	: Repeated and prolonged exposure to crystalline silica containing materials may cause irritation and/or lung damage silicosis, fibrosis, inflammation, cancer.
Chronic symptoms	: May cause cancer.
4.3. Immediate medical attention and spe	cial treatment, if necessary
T 1: 1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (\mathbf{x}

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, oils, or alcohol may increase absorption and so should be avoided. Treat symptomatically.

SECT	ION 5: Fire-fighting measures	
5.1.	Suitable (and unsuitable) extinguishi	ng media
Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.		
	able extinguishing media	: Avoid heavy hose streams.
5.2.	Specific hazards arising from the che	
Reacti		: The product is non-reactive under normal conditions of use, storage and transport.
5.3.	Special protective equipment and pro	ecautions for fire-fighters
Firefig	hting instructions	: Do not allow fire fighting water to escape into waterways or sewers. Keep unauthorized personnel away.
Protec	tion during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECT	ION 6: Accidental release meas	ures
6.1.	Personal precautions, protective equ	ipment and emergency procedures
6.1.1.	For non-emergency personnel	
Emerg	Emergency procedures : Avoid contact with skin, eyes and clothing. Wear appropriate personal protective equipment, avoid direct contact.	
6.1.2.	For emergency responders	
Protec	tive equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.
Emerg	ency procedures	: Avoid dust formation. Do NOT wash away into sewer. Avoid release to the environment. Evacuate unnecessary personnel. Stay upwind. Stop release. Ventilate area. Wear appropriate personal protective equipment, avoid direct contact.
6.2.	Environmental precautions	
Avoid re	elease to the environment.	
6.3.	Methods and material for containment	nt and cleaning up
Metho	ds for cleaning up	: Sweep or scoop spills, dispose of any unusable material in approved landfill. Use appropriate PPE.

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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. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. 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	: Contaminated work clothing should not be allowed out of the workplace. 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	g any incompatibilities
Storage conditions	 Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool. Store in a 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 ³ : (respirable particulate matter)	
OSHA	OSHA PEL TWA [1]	50 μg/m³
IDLH	IDLH 50 mg/m ³ : (respirable dust)	
NIOSH	NIOSH REL TWA 0.05 mg/m ³ : (respirable dust)	

Appropriate engineering controls 8.2.

Appropriate engineering controls	: Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
Environmental exposure controls	: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.
8.3 Individual protection measures/Pers	sonal protective equipment

Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear long-sleeved shirt, long pants, socks and shoes

Respiratory protection:

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



SECTION 9: Physical and chemical properties		
9.1. Information on basic p	physical and chemical properties	
Physical state	: Solid	
Appearance	: Gray and tan colored granular solid	
Color	: Gray and tan	
Odor	: Odorless to light hydrocarbon	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: No data available	
Freezing point	: Not applicable	
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Boiling point	: No data available
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	: 2.66
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
0.2 Other information	

9.2. Other information

Other properties

: Particulate size: 30 µm.

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

Extreme heat, high humidity or moisture.

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

Zeta-cypermethrin (52315-07-8)			
LD50 oral rat 247 mg/kg			
LD50 dermal rabbit	.D50 dermal rabbit > 2460 mg/kg		
LC50 Inhalation - Rat 2.5 mg/l/4h			
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	
Respiratory or skin sensitization	Not classified	
Germ cell mutagenicity	Not classified	
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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	: Exposure may cause mechanical skin irritation.
Eye	
Acute	: Exposure may cause mechanical eye irritation.
Ingestion	
Acute	: Under normal conditions of use, no health effects are expected.
Mutagenicity	: Zeta-cypermethrin: Not genotoxic in laboratory tests.
Carcinogenicity	: Zeta-cypermethrin is not classified as a carcinogen by NTP, IARC or OSHA. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans.
Reproductive Effects	: Zeta-cypermethrin is not a developmental or reproductive toxicant.

SECTION 12: Ecological information

12.1. Toxicity

LC50 Acute fish 1	0.00039 mg/l (Exposure time: 96h - Rainbow trout)		
LC50 Acute fish 2	0.00095 (Exposure time: 96h - Sheepshead minnow)		
LC50 Acute crustacea 1	0.00000475 mg/l (Exposure time: 96h - Mysid shrimp)		
LC50 Acute crustacea 2	0.0000036 mg/l (Exposure time: 48h - Hyalella Azteca)		
NOEC Chronic fish 1	0.00014 mg/l (Fathead minnow)		
NOEC Chronic crustacea 1	0.00000078 mg/l (Mysid shrimp)		
Bifenthrin (82657-04-3)			
LC50 Acute fish 1	0.00035 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])		
LC50 Acute fish 2	0.00015 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])		
LC50 Acute crustacea 1	0.000004 mg/l (Exposure time: 96h - Mysid shrimp)		
LC50 Acute crustacea 2	0.0016 mg/l (Exposure time: 48 h - Species: Water flea)		

12.2. Persistence and degradability

Zeta-cypermethrin (52315-07-8)		
	Persistence and degradability	Zeta-cypermethrin: Non-persistent. Readily hydrolyzed. Not readily biodegradable.

12.3. Bioaccumulative potential

Zeta-cypermethrin (52315-07-8)	
Bioaccumulative potential	Zeta-cypermethrin: The substance does not have a potential for bioconcentration.

12.4. Mobility in soil

Zeta-cypermethrin (52315-07-8)		
Mobility in soil		Zeta-cypermethrin: Immobile. Not expected to reach groundwater.

12.5. Other adverse effects

AMDRO Quick Kill Insect Killer for Home Peri	Killer for Home Perimeter	
Ecological Fate	This pesticide is extremely toxic to fish, aquatic invertebrates, oysters and shrimp.	
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Safety Data Sheet

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 applicable
IMDG	UN3077	Packaging greater than 5 kg: Environmentally hazardous substance, solid, n.o.s (Zeta-Cypermethrin, Bifenthrin)	9	111	Marine pollutant
ΙΑΤΑ	UN3077	Packaging greater than 5 kg: Environmentally hazardous substance, solid, n.o.s (Zeta-Cypermethrin, Bifenthrin)	9	111	Acute aquatic toxicity

SECTION 15: Regulatory information

15.1. US Federal regulations

Bifenthrin (82657-04-3)	Bifenthrin (82657-04-3)		
Subject to reporting requirements of United States SARA Section 313			
SARA Section 313 - Emission Reporting	1 %		
Silica, crystalline - quartz (14808-60-7)			
Listed on the United States TSCA (Toxic Substa	nces Control Act) inventory		
EPA Labelling			
EPA Registration Number	279-3346-90098		
requirements under federal pesticide law. These data sheets (SDS), and for workplace labels of r	y the United States Environmental Protection Agency and is subject to certain labeling e requirements differ from the classification criteria and hazard information required for safety non-pesticide chemicals. The hazard information required on the pesticide label is reproduced nportant information, including directions for use.		
FIFRA Hazard statements	Caution		
FIFRA Precautionary statements	KEEP OUT OF REACH OF CHILDREN.		
FIFRA Hazards to Humans and Domestic Animals	Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Prolonged or frequently 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 using the toilet. 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, oils, or alcohol may increase absorption and so should be avoided.		
FIFRA First aid	IF SWALLOWED: Call a poison control center 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: 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	This pesticide is extremely toxic to 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 water bodies or drainage systems.		

15.2. US State regulations

No additional information available

Safety Data Sheet

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SECTION 16: Other information		
Issue date	: 10 August 2016	
Revision date	: 12 July 2023	
Supersedes	: 20 March 2023	

Indication of changes: Section 15 revised.

SDS US (GHS HazCom 2012) - CGP

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