



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **Amdro Quick Kill Outdoor Insect Killer Concentrate**

Synonyms • 100522992; 8-13576-00687-7; EPA Reg. No.: 279-3347-90098

Product Description • White emulsion.

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

Recommended use • Insecticide.

Restrictions on use • KEEP OUT OF THE REACH OF CHILDREN. Avoid release to the environment. Avoid contact with eyes, skin or clothing. Avoid inhalation of vapors or fumes.

Details of the supplier of the safety data sheet

Manufacturer • Central Garden & Pet Company, 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

- Specific Target Organ Toxicity Single Exposure 1
- Eye Irritation 2A
- Reproductive Toxicity 2
- Specific Target Organ Toxicity Repeated Exposure 2

Label elements

OSHA HCS 2012

DANGER



Hazard statements • Causes damage to organs.
Causes serious eye irritation

Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

- Prevention** • Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not eat, drink or smoke when using this product.
Do not breathe dust, fume, gas, mist, vapours and/or spray.
- Response** • 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: Call POISON CENTER or doctor/physician.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
- 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.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
Cyclotetrasiloxane, octamethyl-	CAS:556-67-2	0.15%
Zeta-cypermethrin	CAS:52315-07-8	0.35%
Alcohols, C11-14-iso-, C13-rich	CAS:68526-86-3	1.5%
Phosphoric acid	CAS:7664-38-2	N/A
Other ingredients	NDA	98%

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 POISON CENTER or doctor/physician if you feel unwell.

Skin

- IF ON SKIN: Wash with plenty of soap and water. Get medical attention if symptoms occur.

Eye

- 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.

- Ingestion**
- IF SWALLOWED: Call a POISON CONTROL center or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

- Causes damage to central nervous system & blood, may damage fertility or the unborn child, causes serious eye irritation. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- Skin contact (vapor or powder) may be followed by transient tingling or numbness, usually of the face, but this subsides without treatment. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treat symptomatically and supportively.

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**
- Do not use direct water stream.

- Firefighting Procedures**
- Do not allow fire fighting water to escape into waterways or sewers.
LARGE FIRES: Move containers from fire area if you can do it without risk.
Stay upwind.
Ventilate closed spaces before entering.
Do not breathe gas/fumes/vapor/spray.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Slightly combustible. This material may support combustion at elevated temperatures.

- Hazardous Combustion Products**
- Thermal degradation may produce toxic vapors and gases which may include carbon monoxide, carbon dioxide, hydrogen cyanide, chlorine and hydrogen chloride.

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**
- Do not walk through spilled material. Ventilate enclosed areas. Wear appropriate personal protective equipment, avoid direct contact. Keep all sources of ignition away.

- Emergency Procedures**
- Ventilate closed spaces before entering. Avoid release into the environment. Stay upwind. Avoid unnecessary personnel and equipment traffic in the spill area.

Environmental precautions

- LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- LARGE SPILLS: Dike far ahead of spill for later disposal.
Stop leak if you can do it without risk.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
Use appropriate Personal Protective Equipment (PPE)

Section 7 - Handling and Storage

Precautions for safe handling

- Handling**
- Avoid breathing fumes. Wear appropriate personal protective equipment, avoid direct contact. Do not use in areas without adequate ventilation. Wash hands thoroughly with soap and water after handling. Wear appropriate respirator when ventilation is inadequate.

Conditions for safe storage, including any incompatibilities

- Storage**
- Store locked up. Keep container tightly closed. Keep only in the original container. Ventilate enclosed areas. Keep away from fire, sparks and heated surfaces. Keep from freezing.

- Incompatible Materials or Ignition Sources**
- Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

- Exposure Limits/Guidelines**
- No data available.

Exposure controls

- Engineering Measures/Controls**
- Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapor etc) below recommended exposure limits.

Personal Protective Equipment

Pictograms



Respiratory

- In case of inadequate ventilation, avoid breathing vapors or mist, wear a NIOSH approved chemical cartridge respirator with organic vapor cartridges and a pesticide pre-filter.

Eye/Face

- Wear chemical splash safety goggles.

Hands

- Wear chemical resistant gloves. Barrier laminate, nitrile rubber, neoprene rubber or Viton are recommended.

Skin/Body

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

Environmental Controls

- Exposure**
- 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	Liquid	Appearance/Description	White emulsion.
Color	White	Odor	Latex like.
Odor Threshold	No data available		
General Properties			
Boiling Point	212 F(100 C)	Melting Point/Freezing Point	32 F(0 C)
Decomposition Temperature	No data available	pH	2 to 5
Specific Gravity/Relative Density	= 1 Water=1	Density	No data available
Water Solubility	Soluble	Viscosity	non-viscous
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			

Flash Point	> 200 F(> 93.3333 C)	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

- Excessive heat.

Incompatible materials

- Heat, strong acids, strong bases and oxidizing agents.

Hazardous decomposition products

- Decomposes upon heating to produce toxic gases which may include: hydrogen chloride, carbon oxides, hydrogen cyanide and chlorine.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Zeta-cypermethrin (0.35%)	52315-07-8	Acute Toxicity: Ingestion/Oral-Rat LD50 • >2000 mg/kg; Inhalation-Rat LC50 • 0.97 4 Hour(s); Skin-Rat LD50 • >5000 mg/kg; Irritation: Eye-Rabbit • Mild irritation; Skin-Rabbit • Moderate irritation

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
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Not classified - data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 2
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 1
Toxicity for Reproduction	OSHA HCS 2012 • Toxic to Reproduction 2
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met

Serious eye damage/Irritation

OSHA HCS 2012 • Eye Irritation 2A

Potential Health Effects**Inhalation**

- Acute (Immediate)**
 - May be harmful.
- Chronic (Delayed)**
 - Repeated and prolonged exposure via inhalation may be harmful.

Skin

- Acute (Immediate)**
 - May cause irritation.
- Chronic (Delayed)**
 - No data available.

Eye

- Acute (Immediate)**
 - Causes serious eye irritation.
- Chronic (Delayed)**
 - No data available

Ingestion

- Acute (Immediate)**
 - Large doses of zeta-cypermethrin, ingested by laboratory animals, may produce signs of toxicity including tremors, incoordination, convulsions, staggered gait, and oral discharge. Experience to date indicates that contact with zeta-cypermethrin may produce skin sensations such as numbing, burning or tingling. These sensations are reversible and usually subside within 12 hours.
- Chronic (Delayed)**
 - No data available.

Other

- Chronic (Delayed)**
 - Zeta-cypermethrin: Long-term exposure caused neurotoxicity (body tremors, decreased motor activity), decreased body weight and increased liver weight. May cause damage to organs through prolonged or repeated exposure - central nervous system, blood.

Carcinogenic Effects

- No data available.

Reproductive Effects

- May cause reproductive effects. Cyclotetrasiloxane, octamethyl administered to rats by inhalation resulted in reproductive effects. Studies have not demonstrated if these effects occur through pathways that are relevant to humans.

Section 12 - Ecological Information**Toxicity**

Component	CAS	Data
Zeta-cypermethrin (0.35%)	52315-07-8	Aquatic Plant(s): 72 Hour(s) EC50 Algae >1 mg/L [Acute]; Crustacea: 48 Hour(s) EC50 Crustacea 0.00014 mg/L [Acute]; 21 Day(s) NOEC Crustacea 0.00001 mg/L [Chronic]; Fish: 96 Hour(s) LC50 Fish 0.00069 mg/L [Acute]; 21 Day(s) NOEC Fish 0.000015 mg/L [Chronic]

Persistence and degradability

- Zeta-cypermethrin: Non-persistent. Readily hydrolyzed. Not readily biodegradable.

Bioaccumulative potential

- Zeta-cypermethrin: The substance does not have a potential for bioconcentration.

Mobility in Soil

- Zeta-cypermethrin: Immobile; Not expected to reach groundwater.

Other adverse effects**Potential Environmental Effects**

- This pesticide is extremely toxic to fish, aquatic invertebrates including oysters and shrimp.

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. Never place unused product down any indoor or outdoor drain.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. See product label for disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	None	Consumer commodity (applies to non-bulk packaging only)	ORM-D	Not Applicable	Not Applicable
	UN3082	Environmentally hazardous substance, liquid, n.o.s (zeta-cypermethrin)	9	III	Severe Marine Pollutant
IMO/IMDG	UN3082	Environmentally hazardous substance, liquid, n.o.s (zeta-cypermethrin)	9	III	Marine Pollutant
IATA/ICAO	UN3082	Environmentally hazardous substance, liquid, n.o.s (zeta-cypermethrin)	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/ICAO • No data available

Key to abbreviations

= N/A = Not applicable.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Acute, 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.

Precautionary Statements • KEEP OUT OF THE REACH OF CHILDREN.

First Aid • If swallowed • Call 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 the 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. Note to Physician: Skin contact (vapor or powder) may be followed by transient tingling or numbness, usually of the face, but this subsides without treatment. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive.

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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. This product is highly toxic to bees. Do not apply this product or allow to drift to blooming plants if bees are in the area.

Inventory		
Component	CAS	TSCA
Alcohols, C11-14-iso-, C13-rich	68526-86-3	Yes
Cyclotetrasiloxane, octamethyl-	556-67-2	Yes
Phosphoric acid	7664-38-2	Yes
Zeta-cypermethrin	52315-07-8	No

United States

Environment

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Cyclotetrasiloxane, octamethyl-	556-67-2	Not Listed
• Alcohols, C11-14-iso-, C13-rich	68526-86-3	Not Listed
• Zeta-cypermethrin	52315-07-8	Not Listed
• Phosphoric acid	7664-38-2	5000 lb final RQ; 2270 kg final RQ

Section 16 - Other Information

Last Revision Date	• 16/July/2015
Preparation Date	• 16/July/2015
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.