



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • EcoPCO AR-X Multi Purpose Insecticide

Synonyms • 100208906; EPA Reg. No.: 89459-60

Product Description • Colorless aerosol spray.

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 contact with skin, eyes and clothing. Keep away from heat, sparks and flame. Use in well ventilated area.

Details of the supplier of the safety data sheet

Manufacturer • Central Garden & Pet Company
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173
United States
www.zoecon.com

Emergency telephone number

Manufacturer • 1-800-424-9300 - CHEMREC

Manufacturer (Transportation) • 1-703-527-3887 - Chemtrec - Outside US collect calls accepted

Manufacturer • 1-800-248-7763

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • Aspiration 1
Flammable Aerosols 2
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Eye Mild Irritation 2B
Skin Irritation 2

Label elements

OSHA HCS 2012

DANGER



- Hazard statements**
- Flammable aerosol
May cause drowsiness or dizziness
May be fatal if swallowed and enters airways
Causes eye irritation
Causes skin irritation

Precautionary statements

- Prevention**
- Use only outdoors or in a well-ventilated area.
Avoid breathing dust, fume, gas, mist, vapors and/or spray.
Do not spray on an open flame or other ignition source.
Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
Pressurized container: Do not pierce or burn, even after use.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash thoroughly after handling.
- Response**
- IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.
Call a POISON CENTER or doctor/physician if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
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 ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
- Storage/Disposal**
- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.

Other hazards

OSHA HCS 2012

- This product is toxic to aquatic organisms, including fish and invertebrates. 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	%
Pyrethrins	CAS:8003-34-7	0.4%
2-Phenylethyl propionate	CAS:122-70-3	1%
Isopropyl alcohol	CAS:67-63-0	4%
Benzyl alcohol	CAS:100-51-6	5%
Propane	CAS:74-98-6	20%

Distillates (petroleum), hydrotreated light	CAS:64742-47-8	69.6%
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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. Call a poison control center or doctor for treatment advice.

Ingestion

- IF SWALLOWED: Aspiration hazard - do NOT induce vomiting. Call a poison control center or doctor immediately for treatment advice.

Most important symptoms and effects, both acute and delayed

- Aspiration hazard, may cause dizziness or drowsiness if inhaled, causes eye irritation, causes skin irritation. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Contains petroleum distillate vomiting may cause aspiration pneumonia. Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media

- Use CO₂, dry chemical, or foam.

Unsuitable Extinguishing Media

- Avoid heavy hose streams.

Firefighting Procedures

- Flammable aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- At temperatures above 130°F, container may rupture. Flammable aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.

Hazardous Combustion Products

- Thermal degradation may produce oxides of carbon, oxides of nitrogen and/or volatile hydrocarbon vapors.

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

- Approach leaking or punctured pressurized containers cautiously. Isolate leaking container from all sources of ignition. Avoid breathing fumes. Ventilate enclosed areas.

Emergency Procedures

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid unnecessary personnel and equipment traffic in the spill area. Turn off electric power to area. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Stay upwind. Ventilate closed spaces before entering.

Environmental precautions

- Avoid run off to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Keep away from fire, sparks and heated surfaces.
- SMALL SPILLS:** Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Do not use or store near heat or open flame. Exposure to temperatures above 130°F may cause bursting. Do not smoke while using this product. Do not allow product to freeze. Contents under pressure, do not crush, puncture or incinerate. Avoid breathing fumes.

Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool, dry place. Keep out of reach of children. Keep away from sources of ignition – No Smoking. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep at a temperature not exceeding 120 F. Keep from freezing. NFPA Aerosol Classification: Level 1.

Incompatible Materials or Ignition Sources

- Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Pyrethrins (8003-34-7)	TWAs	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA
Isopropyl alcohol (67-63-0)	TWAs	200 ppm TWA	400 ppm TWA; 980 mg/m3 TWA	400 ppm TWA; 980 mg/m3 TWA
	STELs	400 ppm STEL	Not established	Not established
Propane (74-98-6)	TWAs	1000 ppm TWA (listed under Aliphatic hydrocarbon gases: Alkane C1-4)	1000 ppm TWA; 1800 mg/m3 TWA	1000 ppm TWA; 1800 mg/m3 TWA

Exposure Limits Supplemental

ACGIH

- Pyrethrins (8003-34-7): **TLV Basis - Critical Effects:** (liver damage; lower respiratory tract irritation)
- Propane (74-98-6): **TLV Basis - Critical Effects:** (asphyxia (See Appendix F: Minimal Oxygen Content))
- Isopropyl alcohol (67-63-0): **TLV Basis - Critical Effects:** (CNS impairment; eye and upper respiratory tract irritation)

Exposure controls

Engineering Measures/Controls

- Use adequate ventilation to remove vapors (fumes, dust etc)

Personal Protective Equipment

Pictograms

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Respiratory Eye/Face

- In case of insufficient ventilation, use NIOSH approved respiratory protection.
- Wear safety goggles.

- Hands**
- Wear appropriate gloves.
- Skin/Body**
- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.
 - No data available
- Environmental Exposure Controls**

Other Information

- See product label for specific use PPE instructions.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description

Physical Form	Aerosol	Appearance/Description	Aerosol spray.
Color	White	Odor	Solvent
Aerosol Type	Spray	Odor Threshold	No data available

General Properties

Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	Not relevant	Specific Gravity/Relative Density	= 0.8 Water=1
Water Solubility	Insoluble	Viscosity	No data available

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	Heat of Combustion (ΔH_c)	11.3 kJ/g
Flame Extension	>45 cm (18 in)	Flammability (solid, gas)	Flammable aerosol.

Environmental

Octanol/Water Partition coefficient	No data available		
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Section 10: Stability and Reactivity

Reactivity

- No data available

Chemical stability

- No data available

Possibility of hazardous reactions

- Flammable, aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards.

Conditions to avoid

- Heat, sparks, open flame. Excess heat.

Incompatible materials

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

Hazardous decomposition products

- Hazardous decomposition may occur when heated producing oxides of carbon and

nitrogen, volatile hydrocarbon vapors.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Pyrethrins (0.4%)	8003-34-7	Acute Toxicity: Ingestion/Oral-Rat, adult female LD50 • 1030 mg/kg; Ingestion/Oral-Rat, adult male LD50 • 2370 mg/kg; Inhalation-Rat LC50 • 3.4 mg/L; Skin-Rat LD50 • 2000 mg/kg; Irritation: Eye-Rabbit • Moderate irritation; Skin-Rabbit • Essentially non-irritating
2-Phenylethyl propionate (1%)	122-70-3	Acute Toxicity: Ingestion/Oral-Rat LD50 • 4 g/kg; Skin-Rabbit LD50 • >5 g/kg

GHS Properties	Classification
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Mild Irritation 2B
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 • Aspiration 1
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate)** • May cause drowsiness and dizziness.
- Chronic (Delayed)** • No data available

Skin

- Acute (Immediate)** • Causes skin irritation.
- Chronic (Delayed)** • No data available.

Eye

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

Ingestion

- Acute (Immediate)** • Aspiration Hazard - may be fatal if swallowed and enters airways.
- Chronic (Delayed)** • No data available

Mutagenic Effects

- Pyrethrins were not found to be genotoxic and did not damage DNA in any study conducted which included: Ames assay, chromosome aberration in Chinese hamster ovaries (CHO) cells and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells.

Carcinogenic Effects

- No component of this product present at 0.1% or greater is listed by IARC, OSHA or

NTP.

Reproductive Effects	<ul style="list-style-type: none"> Pyrethrins did not produce any birth defects or adverse effects on reproductive parameters in tests with rats and rabbits.
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Section 12 - Ecological Information

Toxicity

		Components
Pyrethrins (0.4%)	8003-34-7	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow trout</i> 0.0051 mg/L [Acute]; 96 Hour(s) LC50; <i>Sheepshead minnow</i> 0.016 mg/L [Acute]; NOEC <i>Fathead minnow</i> 0.0019 mg/L [Chronic]; NOEC <i>Sheepshead minnow</i> 0.0059 mg/L [estimated chronic] Aquatic Toxicity-Crustacea: NOEC <i>Daphnia magna</i> 0.00086 mg/L [Chronic]; NOEC <i>Mysid shrimp</i> 0.0001 mg/L [Estimated chronic]; 96 Hour(s) LC50 <i>Mysid Shrimp</i> 0.0014 mg/L [Acute]; 48 Hour(s) LC50 Water Flea <i>Daphnia magna</i> 0.0116 mg/L [Acute]

Persistence and degradability

- Pyrethrins have low persistence in the environment due to rapid breakdown in presence of UV light.

Bioaccumulative potential

- No data available

Mobility in Soil

- Pyrethrins are relatively immobile in soil.

Other adverse effects

Potential Environmental Effects	<ul style="list-style-type: none"> This product is toxic to aquatic organisms including fish and invertebrates.
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Section 13 - Disposal Considerations

Waste treatment methods

Product waste	<ul style="list-style-type: none"> Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not allow entry into storm drains, drainage ditches, gutters or surface waters.
Packaging waste	<ul style="list-style-type: none"> Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not puncture or incinerate. Nonrefillable container. Do not reuse or refill container. See product label for container disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	None UN1950	Consumer Commodity Aerosols (contains Pyrethrins)	ORM-D 2.1	None None	Not Applicable Reportable Quantity: 1lb. Pyrethrins
IMO/IMDG	UN1950	Aerosols, (contains Pyrethrins)	2.1	None	Marine Pollutant
IATA/ICAO	UN1950	Aerosols, flammable	2.1	None	Acute Aquatic Toxicity

Special precautions for user

- None specified.

Transport in bulk according

- No data available

**to Annex II of MARPOL 73/78
and the IBC Code**

Other information

DOT • Environmental Hazards: RQ (Pyrethrins = 1 lb).

IMO/IMDG • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information

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

SARA Hazard Classifications • SARA Title III Section 313, Acute, Fire

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

Precautionary Statements • KEEP OUT OF THE REACH OF CHILDREN.

Hazards to Humans and Domestic Animals • CAUTION: Harmful if swallowed. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist.

First Aid • IF SWALLOWED: Immediately call a poison control center or doctor 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 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.

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: May pose an aspiration pneumonia hazard. Contains petroleum distillate.

Environmental Hazards • This pesticide is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to or near water. Drift and runoff may be hazardous to fish in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash-water or rinsate. See Directions for Use for additional precautions and requirements.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Physical or Chemical Hazards • Flammable: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

Inventory

Component	CAS	TSCA
Benzyl alcohol	100-51-6	Yes
Distillates (petroleum), hydrotreated light	64742-47-8	Yes
Isopropyl alcohol	67-63-0	Yes

Propane	74-98-6	Yes
2-Phenylethyl propionate	122-70-3	Yes
Pyrethrins	8003-34-7	No

United States

Environment

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

• Isopropyl alcohol	67-63-0	Not Listed
• Propane	74-98-6	Not Listed
• 2-Phenylethyl propionate	122-70-3	Not Listed
• Pyrethrins	8003-34-7	1 lb final RQ (listed under Pyrethrins); 0.454 kg final RQ (listed under Pyrethrins)
• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Benzyl alcohol	100-51-6	Not Listed

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

• Isopropyl alcohol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)
• Propane	74-98-6	Not Listed
• 2-Phenylethyl propionate	122-70-3	Not Listed
• Pyrethrins	8003-34-7	Not Listed
• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Benzyl alcohol	100-51-6	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring

• Isopropyl alcohol	67-63-0	Not Listed
• Propane	74-98-6	Not Listed
• 2-Phenylethyl propionate	122-70-3	Not Listed
• Pyrethrins	8003-34-7	Not Listed
• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Benzyl alcohol	100-51-6	Not Listed

Section 16 - Other Information

Revision Date	• 02/September/2015
Last Revision Date	• 02/September/2015
Preparation Date	• 02/September/2015
Disclaimer/Statement of Liability	<ul style="list-style-type: none"> 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.