

Safety Data Sheet



Section 1: Identification

Product identifier

- Product Name** • **EcoPCO WP-X Water Soluble Pouches**
- Synonyms** • 100208908; EcoPCO WP-X Wettable Powder Insecticide; EPA Reg. No.: 62577-15-89459
- Product Description** • Gray powder in water soluble pouches.
- Relevant identified uses of the substance or mixture and uses advised against**
- Recommended use** • Pesticide. For Structural, Turf and Ornamental Pest Control.
- Restrictions on use** • Avoid contact with eyes, skin or clothing. Keep out of reach of children.

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.central.com

Emergency telephone number

- Manufacturer** • 1-800-424-9300 - CHEMTREC
- 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** • Carcinogenicity 1A
Eye Irritation 2A
Specific Target Organ Toxicity Repeated Exposure 1
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects

Label elements

OSHA HCS 2012

DANGER



- Hazard statements** • Causes serious eye irritation
 Causes damage to organs through prolonged or repeated exposure.
 May cause cancer.
 May cause drowsiness or dizziness

Precautionary statements

- Prevention** • Wash thoroughly after handling.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Do not handle until all safety precautions have been read and understood.
 Obtain special instructions before use.
 Do not breathe dust, fume, gas, mist, vapors and/or spray.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
- 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 INHALED: 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.
- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
 Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.

Other hazards

OSHA HCS 2012

- This product is toxic to aquatic organisms, including fish and invertebrates. This product is highly toxic to bees exposed to direct treatment.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
Pyrethrins	CAS:8003-34-7	0.5%
2-Phenethyl Propionate	CAS:122-70-3	3%
Thyme oil	CAS:8007-46-3	5%
Distillates (petroleum), hydrotreated light	CAS:64742-47-8	16%
Benzyl alcohol	CAS:100-51-6	5%
Silica, crystalline - quartz	CAS:14808-60-7	2.91%
Amorphous silica	CAS:112926-00-8	34%
Other ingredients	NDA	33.59%

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: 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 skin irritation occurs: Get medical advice/attention.
- 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 center or doctor if you feel unwell. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center.

Most important symptoms and effects, both acute and delayed

- Causes eye irritation, may cause cancer, causes damage to organs - lungs, may cause drowsiness or dizziness. Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.
LARGE FIRE: Water spray, fog or regular foam.
- Unsuitable Extinguishing Media**
- Avoid heavy hose streams.
- Firefighting Procedures**
- Keep unauthorized personnel away.
LARGE FIRES: Dike fire control water for later disposal; do not scatter the material. Stay upwind.
Ventilate closed spaces before entering.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- No data available.
- Hazardous Combustion Products**
- Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes which may include carbon oxides, smoke fumes, unburned hydrocarbons and terpenes.

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. Use appropriate Personal Protective Equipment (PPE). Ventilate enclosed areas. Do not walk through spilled material.
- Emergency Procedures**
- Stay upwind. Ventilate closed spaces before entering. Avoid release into the environment. Do not allow runoff into water, storm drains or drainage ditches.

Environmental precautions

- Contain and prevent from release into any waterway, sewer or drain.

Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Use appropriate Personal Protective Equipment (PPE)
 - Sweep up material and place in suitable container for disposal.

Section 7 - Handling and Storage

Precautions for safe handling

- Handling**
- Wash hands thoroughly with soap and water after handling. Read label before use. Avoid contact with skin or eyes.

Conditions for safe storage, including any incompatibilities

- Storage**
- Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in cool, dry area, inaccessible to children. Store only in original container.

Section 8 - Exposure Controls/Personal Protection

Control parameters

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

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Pyrethrin (8003-34-7)	TWAs	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA
Silica, crystalline - quartz (14808-60-7)	TWAs	0.025 mg/m ³ TWA (respirable fraction)	0.05 mg/m ³ TWA (respirable dust)	Not established

Exposure Limits Supplemental

OSHA

- Silica, crystalline - quartz (14808-60-7): **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)
- Amorphous silica (112926-00-8): **Mineral Dusts:** (20 mppcf TWA; (80)/(% SiO₂) mg/m³ TWA)

Exposure controls

Engineering

Measures/Controls

- Use adequate ventilation to remove dust that may be present if pouches break.

Personal Protective Equipment

Pictograms



Respiratory

- If prolonged exposure is anticipated, if pouches break liberating dust, it is recommended for handlers to wear an approved MSHA/NIOSH dust mask N-95.

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

- Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

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	Gray powder in water soluble pouch.
Color	Gray	Odor	No data available.
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	7.9 in 5% solution
Specific Gravity/Relative Density	No data available	Bulk Density	43.1 to 70.4 lb(s)/ft ³
Water Solubility	Not soluble	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

- No dangerous reaction known under conditions of normal use.

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

- Non-combustible, substance itself does not burn but may decompose upon heating to produce toxic fumes which may include carbon oxides, smoke, and unburned hydrocarbons and terpenes.

Section 11 - Toxicological Information

Information on toxicological effects

Components

Pyrethrins (0.5%)	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
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GHS Properties	Classification
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Irritation 2A
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 • Carcinogenicity 1A
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 1
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met

Route(s) of entry/exposure • Inhalation, Ingestion, Eyes, and Skin

Potential Health Effects

Inhalation

Acute (Immediate)

- Symptoms of excessive exposure may be anesthetic or narcotic effects; dizziness and drowsiness may be observed if pouch breaks and if exposed to material inside broken pouches. Intact pouches should not pose an exposure risk.

Chronic (Delayed)

- Repeated and prolonged exposure may cause irritation and/or lung damage - silicosis, fibrosis, inflammation, cancer. Exposure to silica dust from the packaged product is not expected to occur due to the manner in which the product is contained in pouches.

Skin

Acute (Immediate)

- May cause mild irritation.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Causes serious eye 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 packaged in pouches. Finished product not considered carcinogenic.

Section 12 - Ecological Information

Toxicity

Components

Aquatic Toxicity-Fish: 96 Hour(s) LC50 *Rainbow trout* 0.0051 mg/L [Acute]
96 Hour(s) LC50 *Sheepshead minnow* 0.016 mg/L [Acute]
96 Hour(s) NOEC *Fathead minnow* 0.0019 mg/L [Chronic]

Pyrethrins (0.5%)	8003-34-7	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]
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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 toxic to aquatic organisms, including fish and invertebrates. This product is highly toxic to bees exposed to direct treatment.

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. Prevent large spills from entering sewers, watercourses and wells.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not reuse or refill container. 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	UN3077	Packaging 200 or greater: Environmentally Hazardous Substance, solid, n.o.s. (Pyrethrins)	9	III	Pyrethrins: RQ = 1 lb.
IMO/IMDG	UN3077	Packaging 5 lb. or greater: Environmentally Hazardous Substance, solid, n.o.s. (Pyrethrins)	9	III	Marine Pollutant
IATA/ICAO	UN3077	Packaging 5 lb. or greater: Environmentally Hazardous Substance, solid, n.o.s. (Pyrethrins)	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

- Not relevant.

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, Chronic**FIFRA – Pesticide Labeling**

This material 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 reach of children.

Hazards to Humans and Domestic Animals • PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION- Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin eyes or clothing. Personal Protective Equipment- Mixers loaders applicators and other handlers must wear long-sleeve shirt, long pants and shoes and socks. User Safety Requirements- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with this product. Do not reuse them. User Safety Recommendations- User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid • **FIRST AID-** If Swallowed- Immediately call a poison control center or doctor. 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 Inhaled- Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to-mouth. If possible, call a poison control center or doctor for further treatment advice. If on Skin or Clothing- Take off the contaminated clothing. Rinse the skin immediately with plenty of water for 15-20 minutes. Call a 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-** Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

Environmental Hazards • This product is toxic to aquatic organisms including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. 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. Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or rinsate.

Inventory

Component	CAS	TSCA
Amorphous silica	112926-00-8	No
Benzyl alcohol	100-51-6	Yes
Distillates (petroleum), hydrotreated light	64742-47-8	Yes
2-Phenethyl Propionate	122-70-3	Yes

Pyrethrins	8003-34-7	No
Silica, crystalline - quartz	14808-60-7	Yes
Thyme oil	8007-46-3	Yes

United States

Environment

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

• Amorphous silica	112926-00-8	Not Listed
• Thyme oil	8007-46-3	Not Listed
• 2-Phenethyl Propionate	122-70-3	Not Listed
• Silica, crystalline - quartz	14808-60-7	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. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

• Amorphous silica	112926-00-8	Not Listed
• Thyme oil	8007-46-3	Not Listed
• 2-Phenethyl Propionate	122-70-3	Not Listed
• Silica, crystalline - quartz	14808-60-7	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 Statement:	Section 14 - revised DOT shipping description
Revision Date	• 16/December/2015
Last Revision Date	• 06/August/2015
Preparation Date	• 13/February/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.