

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

##### Product Name

- **Aqua Perm-X UL 30-30**

##### Synonyms

- 100209041; EPA Reg. No.: 89459-76; Prentox Perm-X UL 30-30

##### Product Description

- Clear amber liquid.

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

##### Recommended use

- Pesticide.

##### Restrictions on use

- **KEEP OUT OF THE REACH OF CHILDREN.** Avoid contact with eyes, skin or clothing. Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. Do not take internally. 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

#### Emergency telephone number

**Manufacturer (Transportation)** • 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

- Specific Target Organ Toxicity Single Exposure 1  
Eye Irritation 2A  
Acute Toxicity Oral 4  
Acute Toxicity Inhalation 4  
Skin Sensitization 1  
Carcinogenicity 2  
Aspiration 1

#### Label elements

##### OSHA HCS 2012

**DANGER**



- Hazard statements**
- May be fatal if swallowed and enters airways
  - Causes damage to organs - nervous system via inhalation, ingestion
  - Harmful if swallowed
  - May cause an allergic skin reaction
  - Causes serious eye irritation
  - Harmful if inhaled
  - Suspected of causing cancer.

## Precautionary statements

- Prevention**
- Do not breathe dust, fume, gas, mist, vapours and/or spray.
  - Wash thoroughly after handling.
  - Do not eat, drink or smoke when using this product.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - Use only outdoors or in a well-ventilated area.
  - Obtain special instructions before use.
  - Do not handle until all safety precautions have been read and understood.
  - Contaminated work clothing should not be allowed out of the workplace.
- Response**
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
  - Rinse mouth.
  - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.
  - Specific treatment, see supplemental first aid information in Section 4 - First Aid Measures.
  - 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 or concerned: Get medical advice/attention.
  - IF ON SKIN: Wash with plenty of soap and water.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - Wash contaminated clothing before reuse.
- 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 product is extremely toxic to fish and aquatic invertebrates. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. 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.

### Mixtures

Composition		
Chemical Name	Identifiers	%
Permethrin	CAS:52645-53-1	30%

Piperonyl butoxide	CAS:51-03-6	30%
Naphthalene	CAS:91-20-3	0.1%
Distillates (petroleum), hydrotreated light	CAS:64742-47-8	14%
Other ingredients	NDA	25.9%

40% of the mixture consists of an ingredient of unknown acute inhalation toxicity.

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

- IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor if you feel unwell.

#### Skin

- 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.

#### 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: Aspiration hazard - do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

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

- Aspiration hazard, causes damage to organs - nervous system, causes eye irritation, suspected of causing cancer, may cause an allergic skin reaction in individuals with a sensitivity to Piperonyl butoxide, harmful if inhaled, harmful if swallowed. 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** ● Water fog, foam, dry chemical or carbon dioxide.

#### Unsuitable Extinguishing Media

- Avoid heavy hose streams.

#### Firefighting Procedures

- Do not allow fire fighting water to escape into waterways or sewers.

### Special hazards arising from the substance or mixture

#### Unusual Fire and Explosion Hazards

- No data available.

#### Hazardous Combustion Products

- Decomposes upon heating to produce toxic vapors/gases including carbon monoxide.

### Advice for firefighters

- Do not allow run-off to enter waterways. Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

#### Personal Precautions

- Wear appropriate personal protective equipment, avoid direct contact.

#### Emergency Procedures

- Eliminate all ignition sources. Do not allow runoff into water, storm drains or drainage ditches. Stop leak if you can do it without risk. Ventilate closed spaces before entering.

## Environmental precautions

- Do NOT wash away into sewer. Avoid release to the environment.

## Methods and material for containment and cleaning up

### Containment/Clean-up Measures

- Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal.

## Section 7 - Handling and Storage

### Precautions for safe handling

#### Handling

- Use good safety and industrial hygiene practices. Wash thoroughly with soap and water after handling. Avoid breathing fumes. Avoid contact with skin or eyes. Avoid release to the environment. Avoid contact with heat and ignition sources. Do not use in areas without adequate ventilation.

### Conditions for safe storage, including any incompatibilities

#### Storage

- Store in cool, dry, secure place. Keep out of reach of children. Avoid extreme temperatures. Keep container/package tightly closed and in a well-ventilated place. Keep only in original container. Store locked up.

#### Incompatible Materials or Ignition Sources

- Strong acids, strong bases, and oxidizing agents.

#### Other Information

- See product label for additional information.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters

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

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Naphthalene (91-20-3)	TWAs	10 ppm TWA	10 ppm TWA; 50 mg/m <sup>3</sup> TWA	10 ppm TWA; 50 mg/m <sup>3</sup> TWA
	STELs	15 ppm STEL	15 ppm STEL; 75 mg/m <sup>3</sup> STEL	Not established

### 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

- 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

- It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks and shoes.

#### Environmental Controls

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

### Other Information

- See product label for specific use PPE instructions.

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

<b>Material Description</b>			
Physical Form	Liquid	Appearance/Description	Clear amber liquid.
Color	Clear amber.	Odor	Solvent
Odor Threshold	No data available		
<b>General Properties</b>			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	pH	6.25 @ 25°C (1% aq sol'n)
Specific Gravity/Relative Density	1.01 g/mL 8.47 lb/gal	Water Solubility	Insoluble
Viscosity	No data available		
<b>Volatility</b>			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
<b>Flammability</b>			
Flash Point	> 231 F(> 110.5556 C)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

### Reactivity

- Non-reactive

### Chemical stability

- Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### Conditions to avoid

- Excessive heat. Heat, sparks, open flame, other ignition sources, and oxidizing conditions.

### Incompatible materials

- Strong oxidizers.

### Hazardous decomposition products

- Thermal decomposition may produce oxides of carbon.

## Section 11 - Toxicological Information

### Information on toxicological effects

Components		
Permethrin (30%)	52645-53-1	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 500 mg/kg; Inhalation-Rat LC50 • 2.65 mg/L 4 Hour(s); Skin-Rabbit LD50 • >2000 mg/kg
Piperonyl butoxide (30%)	51-03-6	<b>Acute Toxicity:</b> Ingestion/Oral-Rat, adult female LD50 • 4570 mg/kg; Inhalation-Rat LC50 • >5.9 mg/L; Skin-Rat LD50 • >2000 mg/kg

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation 4; Acute Toxicity - Oral 4
Aspiration Hazard	OSHA HCS 2012 • Aspiration 1
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 2
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 • Skin Sensitizer 1
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 1
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
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)

- Harmful if inhaled. Permethrin affects nervous system. Symptoms of overexposure to permethrin include diarrhea, salivation, tremors, convulsions, hyperactivity and hypersensitivity.

#### Chronic (Delayed)

- No data available.

### Skin

#### Acute (Immediate)

- May cause an allergic reaction in individuals with a sensitivity to piperonyl butoxide.

#### Chronic (Delayed)

- No data available.

### Eye

#### Acute (Immediate)

- Causes serious eye irritation.

#### Chronic (Delayed)

- No data available.

### Ingestion

#### Acute (Immediate)

- Aspiration hazard - small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema. Harmful if ingested. Permethrin affects nervous system. Symptoms of overexposure to permethrin include diarrhea, salivation, tremors, convulsions, hyperactivity and hypersensitivity.

#### Chronic (Delayed)

- No data available.

### Carcinogenic Effects

- Naphthalene is listed as a suspected human carcinogen by IARC.

Carcinogenic Effects		
	CAS	IARC
Naphthalene	91-20-3	Group 2B-Possible Carcinogen

## Section 12 - Ecological Information

## Toxicity

Component	CAS	Data
Permethrin (30%)	52645-53-1	<b>Crustacea:</b> NOEC Crustacea <i>Daphnia magna</i> 0.000039 mg/L [Chronic]; NOEC Crustacea <i>Mysid shrimp</i> 0.000011 mg/L [Chronic]; LC50 Crustacea <i>Hexagenia bilineuta</i> 0.0001 mg/L [Acute]; 96 Hour (s) LC50 Crustacea <i>Mysid shrimp</i> 0.000019 mg/L [Acute]; <b>Fish:</b> 96 Hour(s) LC50 Fish <i>Blue gill</i> 0.00079 mg/L [Acute]; 96 Hour(s) LC50 Fish <i>Atlantic silverside</i> 0.0022 mg/L [Acute]; NOEC Fish <i>Fathead minnow</i> 0.0003 mg/L [Chronic]; NOEC Fish <i>Sheepshead minnow</i> 0.00083 mg/L [Chronic]
Piperonyl butoxide (30%)	51-03-6	<b>Crustacea:</b> 48 Hour(s) LC50 Crustacea <i>Daphnia magna</i> 0.51 mg/L [Acute]; 48 Hour(s) LC50 Crustacea <i>Mysid shrimp</i> 0.49 mg/L [Acute]; NOEC Crustacea <i>Daphnia magna</i> 0.03 mg/L [Chronic]; <b>Fish:</b> 96 Hour(s) LC50 Fish <i>Rainbow Trout</i> 1.9 mg/L [Acute]; 96 Hour(s) LC50 Fish <i>Sheepshead minnow</i> 3.94 mg/L [Acute]; NOEC Fish <i>Fathead minnow</i> 0.04 mg/L [Chronic]
Distillates (petroleum), hydrotreated light (14%)	64742-47-8	<b>Fish:</b> 96 Hour(s) LC50 Fish <i>Rainbow Trout</i> 2.9 mg/L [Acute]

## Persistence and degradability

- No data available

## Bioaccumulative potential

- No data available

## Mobility in Soil

- No data available

## Other adverse effects

### Ecological Fate

- No data available.

### Potential Environmental Effects

- This product is extremely toxic to aquatic organisms, including fish and invertebrates. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds.

## 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. 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	UN3082	Environmentally Hazardous Substance, liquid, n.o.s. (Permethrin)	9	III	Marine Pollutant
IMO/IMDG	UN3082	Environmentally Hazardous Substance, liquid, n.o.s. (Permethrin)	9	III	Marine Pollutant
IATA/ICAO	UN3082	Environmentally Hazardous Substance, liquid, n.o.s. (Permethrin)	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

**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** • SARA Title III Section 313, Acute

**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** • PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS CAUTION: Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wear long sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves (barrier laminate, nitrile rubber, neoprene rubber, or viton, Selection Category E). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**First Aid** • IF SWALLOWED: Immediately call a poison control center or doctor. • Do not induce vomiting unless told to 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. NOTE TO PHYSICIAN: Contains petroleum distillate. May pose an aspiration pneumonia hazard.

**Environmental Hazards** • This pesticide is extremely toxic to fish and aquatic invertebrates. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates. Do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body. Do not contaminate bodies of water when disposing of equipment rinsate or washwaters. Bee Warning: 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 on blooming crops or weeds while bees are actively visiting the treatment areas, except when applications are made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

Inventory		
Component	CAS	TSCA
Distillates		



(petroleum), hydrotreated light	64742-47-8	Yes
Naphthalene	91-20-3	Yes
Permethrin	52645-53-1	No
Piperonyl butoxide	51-03-6	Yes

## United States

### Environment

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

• Naphthalene	91-20-3	100 lb final RQ; 45.4 kg final RQ
• Piperonyl butoxide	51-03-6	Not Listed
• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Permethrin	52645-53-1	Not Listed

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

• Naphthalene	91-20-3	0.1 % de minimis concentration
• Piperonyl butoxide	51-03-6	1.0 % de minimis concentration
• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• Permethrin	52645-53-1	1.0 % de minimis concentration

## Section 16 - Other Information

### Last Revision Date

- 24/April/2015

### Preparation Date

- 24/April/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.