Safety Data Sheet



Section 1: Identification

Product identifier

Product Name • Precor 2625 Premise Spray

Synonyms • EPA Reg. No.: 89459-12; RF2220 Premium Aerosol II-M

Product Description
 Neutral, glossy 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. Do not take internally.

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.adamspetcare.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 • Aspiration 1

Flammable Aerosols 2

Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects

Compressed Gas

Label elements

OSHA HCS 2012

DANGER

Preparation Date: 28/August/2015

Revision Date: 08/June/2018

Page 1 of 11

Format: GHS Language: English (US)

OSHA HCS 2012









Hazard statements · Flammable aerosol

May cause drowsiness or dizziness

May be fatal if swallowed and enters airways

Contains gas under pressure; may explode if heated

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.

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.

Protect from sunlight.

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 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 according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Mixtures

Composition			
Chemical Name	Identifiers	%	
(s)-Methoprene	CAS:40596-69-8	0.09%	
Pyrethrins	CAS:8003-34-7	0.15%	
Tetramethrin	CAS :7696-12-0	0.25%	
Etofenprox	CAS :80844-07-1	1%	
Piperonyl butoxide	CAS :51-03-6	1.5%	
Distillates (petroleum), hydrotreated light	CAS :64742-47-8	10%	
Propane	CAS :74-98-6	14.5%	

Preparation Date: 28/August/2015 Revision Date: 08/June/2018

Format: GHS Language: English (US) OSHA HCS 2012

Butane	CAS:106-97-8	N/A
Other ingredients	NDA	Balance

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.

Eve

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. 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 • LARGE FIRE: Water spray, fog or regular foam. SMALL FIRES: Dry chemical, CO2, water spray or regular 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. Protect from sunlight.

Incompatible Materials or Ignition Sources

Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines					
	Result ACGIH NIOSH				
(400.07.0)	STELs	1000 ppm STEL	Not established	Not established	
	TWAs	Not established	800 ppm TWA; 1900 mg/m3 TWA	Not established	
Pyrethrins (8003-34-7)	TWAs	5 mg/m3 TWA	5 mg/m3 TWA	5 mg/m3 TWA	

Propane (74-98-6) TWAs See Appendix F: Minimal Oxygen Content	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))
- •Butane (106-97-8): TLV Basis Critical Effects: (CNS impairment)

Exposure controls

Engineering

Measures/Controls

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

Personal Protective Equipment

Pictograms •





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

Eye/FaceWear safety goggles.Wear appropriate gloves.

Skin/Body •

If prolonged exposure is anticipated, it is recommended for handlers to wear

appropriate clothing to prevent skin contact.

Environmental Exposure

Controls

No data available

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	Neutral; glossy aerosol spray.
Color	Neutral, glossy.	Odor	Weak/none; neutral; paint-like.
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
рН	6.5	Specific Gravity/Relative Density	= 0.97 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	VOC (Wt.)	14.5 %
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Heat of Combustion (ΔHc)	7.49 kJ/g
Flame Extension	12.3 in	Flammability (solid, gas)	Flammable aerosol.
Environmental			
Octanol/Water Partition coefficie	ent No data available		

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

	CAS	
Precor 2625 Premise Spray	NDA	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg; Inhalation-Rat LC50 • >2.05 mg/L 4 Hour(s); Skin-Rat LD50 • >5000 mg/kg; Irritation: Eye-Rabbit • Mild irritation; Skin-Rabbit • Mild 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
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Aspiration 1
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
STOT-RE	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)

May cause mild irritation.

Chronic (Delayed)

Repeated exposure to etofenprox can cause skin irritation.

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

Piperonyl butoxide was not genotoxic in several tests, including the Ames mutagenicity assay, chromosome aberration in Chinese hamster ovary (CHO) cells, CHO/HGPRT assay with S9 activation and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells. 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. Etofenprox has been found negative for mutagenicity potential using the Ames test, chromosomal aberration and micronucleus test methods. Methoprene has been tested and found negative for mutagenicity potential.

Carcinogenic Effects

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

Reproductive Effects

Piperonyl butoxide did not produce any birth defects or adverse effects on reproductive parameters in tests with rats and rabbits. Pyrethrins did not produce any birth defects or adverse effects on reproductive parameters in tests with rats and rabbits. Etofenprox did not produce teratogenic or reproductive effects in laboratory experiments. Methoprene is not a teratogenic compound. The NOEL for maternal and embryotoxicity in rabbits was 200 mg/kg/day. The NOEL for reproductive effects in rats was 500 ppm.

Section 12 - Ecological Information

Toxicity

	Components			
Etofenprox (1%)	80844-07-1	Aquatic Toxicity-Fish: 96 Hour(s) LC50 Sheepshead minnow >0.0165 mg/L [Acute] 96 Hour(s) LC50 Rainbow Trout 0.0027 mg/L [Acute] Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 Water Flea Daphnia magna 0.0008 mg/L [Acute] 96 Hour(s) LC50 Mysid shrimp 0.0000188 mg/L [Acute] NOEC Water Flea Daphnia magna 0.00017 mg/L [Chronic]		
Tetramethrin (0.25%) Aquatic Toxicity-Fish: 96 Hour(s) LC50 Rainbow trout 0.0037 mg/L [Acute] 96 Hour(s) LC50 Blue gill 0.016 mg/L [Acute] Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 Daphnia magna 0.11 mg/L [Acute]		96 Hour(s) LC50 Blue gill 0.016 mg/L [Acute]		
Piperonyl butoxide (1.5%) Aquatic Toxicity-Fish: LC50 Rainbow Trout 1.9 mg/L [Acute] LC50 Sheephead minnow 3.94 mg/L [Acute] NOEC Fathead minnow 0.04 mg/L [Chronic] Aquatic Toxicity-Crustacea: LC50 Gammarus fasciatus (amphipod) 0.51 mg/L [Acute]				

		LC50 <i>Mysid shrimp</i> 0.49 mg/L [Acute] NOEC <i>Daphnia magna</i> 0.03 mg/L [Chronic]
Pyrethrins (0.15%)	8003-34-7	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] NOEC Sheepshead minnow 0.0059 mg/L [estimated chronic] Aquatic Toxicity-Crustacea: NOEC Daphnia magna 0.00086 mg/L [Chronic] NOEC Mysid shrimp 0.0001 mg/L [Estimated chronic] 96 Hour(s) LC50 Mysid Shrimp 0.0014 mg/L [Acute] 48 Hour(s) LC50 Water Flea Daphnia magna 0.0116 mg/L [Acute]
(s)-Methoprene (0.09%)	40596-69-8	Aquatic Toxicity-Fish: 96 Hour(s) LC50 Rainbow Trout 0.76 mg/L [Acute] 96 Hour(s) LC50 Blue Gill >0.37 mg/L [Acute] NOEC Fathead minnow 0.048 mg/L [Chronic] Aquatic Toxicity-Crustacea: NOEC Mysid shrimp 0.014 mg/L [Chronic] 96 Hour(s) LC50 Mysid shrimp 0.11 mg/L [Acute] 48 Hour(s) LC50 Daphnia magna 0.36 mg/L [Acute]

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 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. Do not allow entry into storm drains, drainage ditches, gutters or surface waters.

Packaging waste

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	UN1950	Aerosols (contains Etofenprox)	2.1	None	RQ = Pyrethrins 1 lb.
IMO/IMDG	UN1950	Aerosols, (contains Etofenprox)	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 to Annex II of MARPOL 73/78 and the IBC Code

No data available

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 nonpesticide 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 REACH OF CHILDREN.

Hazards to Humans and . **Domestic Animals**

Contains Petroleum Distillate. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Repeated exposure to etofenprox can cause skin irritation.

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. 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. 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. 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 area.

Physical or Chemical • **Hazards**

Contents under pressure. Do not use or store near open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

Preparation Date: 28/August/2015 Format: GHS Language: English (US) OSHA HCS 2012 Revision Date: 08/June/2018 Page 9 of 11

	Inventory			
Component	CAS	TSCA		
Butane	106-97-8	Yes		
Distillates (petroleum), hydrotreated light	64742-47-8	Yes		
Etofenprox	80844-07-1	No		
(s)-Methoprene	40596-69-8	No		
Piperonyl butoxide	51-03-6	Yes		
Propane	74-98-6	Yes		
Pyrethrins	8003-34-7	No		
Tetramethrin	7696-12-0	No		

United States

• Propane	74-98-6	Not Listed
		1 lb final RQ (listed under
• Pyrethrins	8003-34-7	Pyrethrins); 0.454 kg final R0 (listed under Pyrethrins)
• Etofenprox	80844-07-1	Not Listed
Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
Piperonyl butoxide	51-03-6	Not Listed
Tetramethrin	7696-12-0	Not Listed
• (s)-Methoprene	40596-69-8	Not Listed
• Butane	106-97-8	Not Listed
.S CERCLA/SARA - Section 313 - Emission Reporting		
• Propane	74-98-6	Not Listed
• Pyrethrins	8003-34-7	Not Listed
• Etofenprox	80844-07-1	Not Listed
Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
Piperonyl butoxide	51-03-6	1.0 % de minimis concentration
Tetramethrin	7696-12-0	1.0 % de minimis concentration
• (s)-Methoprene	40596-69-8	Not Listed
Butane	106-97-8	Not Listed

Section 16 - Other Information

Revision Summary		
Revision Date	MSDS Number	Changes
08/June/2018	•	Revised Sec. 15

Revision Date
 Last Revision Date
 Preparation Date
 08/June/2018
 29/November/2016
 28/August/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.