Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **Precor 2000 Plus Premise Spray**

Synonyms • 100517677; 3006018; 3006301; 3006302; EPA Reg. No.: 2724-490; RF9910 Aerosol

Product Description • Clear to white 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. Do not allow product to enter drain or any body of water.

Details of the supplier of the safety data sheet

Manufacturer • Wellmark International

1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173
United States
www.zoecon.com

Emergency telephone number

Manufacturer • 1-800-248-7763

Manufacturer (Transportation) • 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation) • 1-703-527-3887 - CHEMTREC - Outside North America - 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 • Aspiration 1
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Flammable Aerosols 2
Skin Irritation 2
Skin Sensitization 1

Label elements

OSHA HCS 2012

DANGER

Hazard statements

- May cause drowsiness or dizziness
  May be fatal if swallowed and enters airways
  Flammable aerosol
  Causes skin irritation
  May cause an allergic skin reaction

Precautionary statements

Prevention

- Use only outdoors or in a well-ventilated area.
  Avoid breathing dust, fume, gas, mist, vapors and/or spray.
  Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
  Do not spray on an open flame or other ignition source.
  Pressurized container: Do not pierce or burn, even after use.
  Wash thoroughly after handling.
  Wear protective gloves.
  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.
  IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if you feel unwell.
  IF ON SKIN: Wash with plenty of soap and water.
  If skin irritation or rash occurs: Get medical advice/attention.
  Take off contaminated clothing and wash before reuse.

Storage/Disposal

- 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. Do not expose to temperatures exceeding 50ºC/122ºF.

Other hazards

OSHA HCS 2012

- 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:**65733-16-6	0.085%
Permethrin	**CAS:**52645-53-1	0.35%
Piperonyl butoxide	**CAS:**51-03-6	1.75%
Phenothrin	**CAS:**26002-80-2	0.3%
N-Octyl Bicyloheptene Dicarboximide	**CAS:**113-48-4	1.75%
Distillates (petroleum), hydrotreated light	**CAS:**64742-47-8	14%
Ethoxylated nonylphenol, branched	**CAS:**68412-54-4	1.8%
2-Pyrrolidinone, 1-octyl	**CAS:**2687-94-7	0.4%

Propane	**CAS:**74-98-6	7.08%
Butane	**CAS:**106-97-8	6.92%
Other ingredients	NDA	65.565%

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 irritation or rash 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. Get medical attention if symptoms occur.

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 skin irritation, may cause an allergic reaction in individuals with a sensitivity to piperonyl butoxide and/or n-octyl bicycloheptene dicarboximide. 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. Stay upwind. Ventilate closed spaces before entering. Do not allow runoff into water, storm drains or drainage ditches.

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. Do not smoke while using this product. 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 122°F (50°C). Keep from freezing.

Incompatible Materials or Ignition Sources

- Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines				
	Result	**ACGIH**	**NIOSH**	**OSHA**
Butane (106-97-8)	STELs	1000 ppm STEL	Not established	Not established
	TWAs	Not established	800 ppm TWA; 1900 mg/m3 TWA	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 controls

Engineering Measures/Controls

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

Personal Protective Equipment

Pictograms

-

Respiratory

- In case of insufficient ventilation, wear suitable NIOSH approved respiratory protection.

Eye/Face

- Wear safety glasses.

Hands

- Impervious gloves. Some materials that are chemical resistant to this product are Barrier Laminate, Nitrile Rubber, Neoprene Rubber or Viton.

Skin/Body

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

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	Aerosol	Appearance/Description	White to clear aerosol spray.
Color	White to clear.	Odor	No data available.
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	No data available	Specific Gravity/Relative Density	No data available
Water Solubility	No data available	Viscosity	No data available
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	No data available
VOC (Vol.)	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Heat of Combustion (ΔHc)	6.98 kJ/g
Flame Extension	1 in	Flammability (solid, gas)	Flammable aerosol.
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 under normal temperatures and pressures.

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 2000 Plus Premise Spray	NDA	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >5000 mg/kg 14 Day(s); Inhalation-Rat LC50 • >2.12 mg/L 4 Hour(s); Skin-Rabbit LD50 • >5050 mg/kg 24 Hour(s); **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** • Aspiration 1
Carcinogenicity	**OSHA HCS 2012** • Classification criteria not met
Germ Cell Mutagenicity	**OSHA HCS 2012** • Classification criteria not met
Skin corrosion/Irritation	**OSHA HCS 2012** • Skin Irritation 2
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 3: Narcotic Effects
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** • 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. May cause an allergic reaction in individuals with a sensitivity to piperonyl butoxide and/or n-octyl bicycloheptene dicarboximide.

Chronic (Delayed)
- No data available.

Eye

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- No data available

Ingestion

Acute (Immediate)
- Aspiration Hazard - may be fatal if swallowed and enters airways.

Chronic (Delayed)
- No data available

Section 12 - Ecological Information

Toxicity

Component	CAS	Data
(s)-Methoprene (0.085%)	65733-16-6	**Crustacea:** NOEC Crustacea *Mysid shrimp* 0.014 mg/L [Chronic]; 96 Hour(s) LC50 Crustacea *Mysid shrimp* 0.11 mg/L [Acute]; 48 Hour(s) LC50 Crustacea *Daphnia magna* 0.36 mg/L [Acute]; **Fish:** 96 Hour(s) LC50 Fish *Rainbow Trout* 0.76 mg/L [Acute]; 96 Hour(s) LC50 Fish *Blue Gill* >0.37 mg/L [Acute]; NOEC Fish *Fathead minnow* 0.048 mg/L [Chronic]
		Crustacea: NOEC Crustacea *Daphnia magna* 0.000039 mg/L [Chronic]; NOEC Crustacea *Mysid shrimp* 0.000011 mg/L [Chronic]; LC50 Crustacea *Hexagenia bilineuta* 0.0001 mg/L [Acute]; 96 Hour

Permethrin (0.35%)	52645-53-1	(s) LC50 Crustacea *Mysid shrimp* 0.000019 mg/L [Acute]; **Fish:** 96 Hour(s) LC50 Fish *Blue gill* 0.00079 mg/L [Acute]; 96 Hour(s) LC50 Fish *Atlantic silverside* 0.0022 mg/L [Acute]; NOEC Fish *Fathead minnow* 0.0003 mg/L [Chronic]; NOEC Fish *Sheepshead minnow* 0.00083 mg/L [Chronic]
Piperonyl butoxide (1.75%)	51-03-6	**Crustacea:** LC50 Crustacea *Gammarus fasciatus (amphipod)* 0.51 mg/L [Acute]; LC50 Crustacea *Mysid shrimp* 0.49 mg/L [Acute]; NOEC Crustacea *Daphnia magna* 0.03 mg/L [Chronic]; **Fish:** LC50 Fish *Rainbow Trout* 1.9 mg/L [Acute]; LC50 Fish *Sheephead minnow* 3.94 mg/L [Acute]; NOEC Fish *Fathead minnow* 0.04 mg/L [Chronic]
Phenothrin (0.3%)	26002-80-2	**Crustacea:** NOEC Crustacea *Daphnia magna* 0.00047 mg/L [chronic]; 48 Hour(s) LC50 Crustacea *Daphnia magna* 0.0044 mg/L [acute]; 96 Hour(s) LC50 Crustacea *Mysid shrimp* 0.000025 mg/L [acute]; **Fish:** 96 Hour(s) LC50 Fish *Rainbow trout* 0.0027 mg/L [acute]; 96 Hour(s) LC50 Fish *Blue gill* 0.0158 mg/L [acute]; NOEC Fish *Rainbow trout* 0.0011 mg/L [chronic]
N-Octyl Bicyloheptene Dicarboximide (1.75%)	113-48-4	**Crustacea:** 48 Hour(s) LC50 Crustacea *Daphnia magna* 2.3 mg/L [Acute]; **Fish:** LC50 Fish 1.4-2.4 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

- No data available.

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.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	UN1950	Aerosols (contains Phenothrin)	2.1	Not Applicable	Marine Pollutant
IMO/IMDG	UN1950	Aerosols (contains Phenothrin)	2.1	Not Applicable	Marine Pollutant
IATA/ICAO	UN1950	Aerosols, flammable	2.1	Not Applicable	Not Applicable

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.

CAUTION

Precautionary Statements

- KEEP OUT OF THE REACH OF CHILDREN.

Hazards to Humans and Domestic Animals

- HAZARDS TO HUMANS AND DOMESTIC ANIMALS-CAUTION: Avoid contact with skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

First Aid

- 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 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.
  Note to Physician: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

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.

Inventory		
Component	**CAS**	**TSCA**
(s)-Methoprene	65733-16-6	No
2-Pyrrolidinone, 1-octyl	2687-94-7	Yes
Butane	106-97-8	Yes
Distillates (petroleum), hydrotreated light	64742-47-8	Yes
N-Octyl Bicyloheptene Dicarboximide	113-48-4	No
Permethrin	52645-53-1	No
Phenothrin	26002-80-2	No
Ethoxylated nonylphenol, branched	68412-54-4	Yes
Piperonyl butoxide	51-03-6	Yes
Propane	74-98-6	Yes

United States

Environment

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

• Ethoxylated nonylphenol, branched	68412-54-4	Not Listed
• Propane	74-98-6	Not Listed
• Butane	106-97-8	Not Listed
• (s)-Methoprene	65733-16-6	Not Listed
• Permethrin	52645-53-1	1.0 % de minimis concentration
• Distillates (petroleum), hydrotreated light	64742-47-8	Not Listed
• 2-Pyrrolidinone, 1-octyl	2687-94-7	Not Listed
• Piperonyl butoxide	51-03-6	1.0 % de minimis concentration
• N-Octyl Bicyloheptene Dicarboximide	113-48-4	Not Listed
• Phenothrin	26002-80-2	1.0 % de minimis concentration

Section 16 - Other Information

Last Revision Date
- 20/July/2015

Preparation Date
- 20/July/2015

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