



## 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 50°C/122°F.

### 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 Bicycloheptene 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, CO<sub>2</sub>, 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



## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

<b>Material Description</b>			
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
<b>General Properties</b>			
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
<b>Volatility</b>			
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		
<b>Flammability</b>			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Heat of Combustion ( $\Delta H_c$ )	6.98 kJ/g
Flame Extension	1 in	Flammability (solid, gas)	Flammable aerosol.
<b>Environmental</b>			
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	<b>Acute Toxicity:</b> 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); <b>Irritation:</b> 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	<b>Crustacea:</b> NOEC Crustacea <i>Mysid shrimp</i> 0.014 mg/L [Chronic]; 96 Hour(s) LC50 Crustacea <i>Mysid shrimp</i> 0.11 mg/L [Acute]; 48 Hour(s) LC50 Crustacea <i>Daphnia magna</i> 0.36 mg/L [Acute]; <b>Fish:</b> 96 Hour(s) LC50 Fish <i>Rainbow Trout</i> 0.76 mg/L [Acute]; 96 Hour(s) LC50 Fish <i>Blue Gill</i> >0.37 mg/L [Acute]; NOEC Fish <i>Fathead minnow</i> 0.048 mg/L [Chronic]
		<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 bilineata</i> 0.0001 mg/L [Acute]; 96 Hour



**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 Bicycloheptene 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 Bicycloheptene 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

**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.**