

**Safety Data Sheet**  
**Wilson Moss Out Lawn Moss**  
**Killer with Lawn Food 5-0-0**



<b>1. Identification</b>	
<b>Product identifier</b>	Wilson Moss Out Lawn Moss Killer with Lawn Food 5-0-0
<b>Product code</b>	7202090, 7202100
<b>Registration number</b>	CFIA/ACIA 920003C
<b>Other means of identification</b>	059-3809-2.
<b>Recommended use of the chemical and restrictions on use</b>	Moss control with lawn food.
<b>Manufacturer</b>	Premier Tech Home & Garden Inc 1, avenue Premier Rivière-du-Loup (Quebec) G5R 6C1 CANADA  Tel. (418) 863-7878 <a href="http://www.pthomeandgarden.com">www.pthomeandgarden.com</a>
<b>Emergency phone number</b>	1-800-268-2806

<b>2. Hazard identification</b>	
<b>Summary</b>	This product is not regulated according to the Canadian Hazardous Products Act (HPA) and Hazardous Products Regulations (HPR) SOR/2015-17 (or WHMIS 2015). KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Do not breathe vapors and aerosols. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.

**WHMIS 2015/GHS/OSHA HCS 2012**



**Not Regulated under WHMIS 2015/GHS**

Acute toxicity, oral (Category 4)  
 Skin corrosion/irritation (Category 2)  
 Serious eye damage/eye irritation (Category 2)

**WARNING**

H302: Harmful if swallowed  
 H319: Causes serious eye irritation  
 H315: Causes skin irritation  
 P264: Wash skin thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P280: Wear gloves and eye protection.  
 P301+312+P330: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.  
 P302+352: IF ON SKIN: Wash with plenty of water and soap.  
 P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P332+P337+P313: If skin or eye irritation persists: Get medical advice.  
 P362+364: Take off contaminated clothing and wash before reuse.

P501: Dispose of contents and container to a licensed chemical disposal agency in accordance with local, regional and national regulations.

### 3. Composition/information on ingredients

Common name	CAS	Weight % content
Iron(II) sulfate heptahydrate	7782-63-0	15 - 40 %
Urea	57-13-6	7 - 13 %
Sulfuric acid	7664-93-9	0.1 - 1 %

**Note:** The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If a problem develops or persists, seek medical attention.
<b>Skin contact</b>	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
<b>Eye contact</b>	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
<b>Ingestion</b>	DO NOT induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Never give anything by mouth if victim is unconscious or convulsing. If a problem develops or persists, seek medical attention.
<b>Other</b>	No additional information.
<b>Symptoms</b>	May cause redness and irritation of the skin and to eyes. Harmful if swallowed.
<b>Notes to the physician</b>	Apply a symptomatic and supportive treatment.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use an extinguishing agent appropriate for the surrounding fire.
<b>Specific hazards arising from the chemical</b>	No hazard listed.
<b>Special protective equipment</b>	Firefighters must wear self contained breathing apparatus with full face mask.
<b>Special protective actions for fire-fighters</b>	No additional information.

### 6. Accidental release measures


<b>Personal precautions, protective equipment and emergency procedures</b>	Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
<b>Environmental precautions</b>	Prevent product from entering drains and release to the environment.
<b>Methods and materials for containment and cleaning up</b>	Ventilate the area well. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Finish cleaning by rinsing with water contaminated surface.

### 7. Handling and storage

<b>Precautions for safe handling</b>	Use in well ventilated area. Avoid contact with skin, eyes and clothing. Do not breathe vapors and aerosols. Wear eye protection, gloves and other protective clothing that are adapted to the
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	task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water.
<b>Conditions for safe storage, including any incompatibilities</b>	Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Store away from incompatible materials (see section 10). Keep away from food and drink. Keep away from freezing.
<b>Storage temperature</b>	10 to 35°C (50 to 95°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	Sulfuric acid: 15 mg/m <sup>3</sup> .			
Iron(II) sulfate heptahydrate	STEL	Value as Metal	2 mg/m <sup>3</sup>	BC
	TWA (8h)	Value as Metal	1 mg/m <sup>3</sup>	ACGIH , BC, ON, RSST
Urea	TWA (8h)		10 mg/m <sup>3</sup>	US AIHA
Sulfuric acid	STEL		3 mg/m <sup>3</sup>	AB , RSST
	TWA (8h)		0.2 mg/m <sup>3</sup>	ACGIH , BC, ON
			1 mg/m <sup>3</sup>	AB , NIOSH, OSHA, RSST
<b>Appropriate engineering controls</b>	Provide sufficient mechanical (general and/or local exhaust) to keep the airborne concentrations of dust below their respective occupational exposure limits.			
<b>Individual protection measures</b>				
<b>Eye</b>	In the workplace, wear safety glasses with side shields. If there is a risk of contact with eyes, wear chemical splash goggles.			
<b>Hands</b>	Wear nitrile or neoprene gloves. Disposable nitrile gloves can also be used, but discard after single use.			
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. If necessary, wear an apron or long-sleeve protective coverall suit.			
<b>Respiratory</b>	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA.			
<b>Feet</b>	Not required in normal use.			
				
Safety glasses			Nitrile disposable gloves	

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Non-flammable
<b>Colour</b>	Green	<b>Flammability limits</b>	N/Ap.
<b>Odour</b>	Metallic	<b>Flash point</b>	N/Ap.

Odour threshold	N/Av.	Auto-ignition temperature	N/Ap.
pH	2 to 3	Sensibility to electrostatic charges	No
Melting point	-5°C (23°F)	Sensibility to sparks and/or friction	No
Freezing point	-5°C (23°F)	Vapour density	N/Av. (Air = 1)
Boiling point	95°C (203°F)	Relative density	1.23 kg/L (Water = 1)
Solubility	Miscible in water.	Partition coefficient n-octanol/water	N/Av.
Evaporation rate	N/Av.	Decomposition temperature	N/Av.
Vapour pressure	N/Av.	Viscosity	N/Ap.
Percent Wt. Volatile	N/Av.	Molecular mass	N/Ap.
VOC (g/L)	N/Av.	% Volume Volatile (VOC)	N/Av.
VOC (lb/gal)	N/Av.	% Wt. Volatile (VOC)	N/Av.
N/Av.: Not Available    N/Ap.: Not Applicable    Und.: Undetermined    N/E: Not Established			

## 10. Stability and reactivity

Reactivity	No reactivity expected.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	Protect from freezing. Avoid contact with incompatible materials.
Incompatible materials	Alkalis, strong oxidants, strong acids.
Hazardous decomposition products	No decomposition product.

## 11. Toxicological information


Numerical measures of toxicity	Iron(II) sulfate heptahydrate	Ingestion	1520 mg/kg	Mouse	LD50
	Urea	Ingestion	8471 mg/kg	Rat	LD50
		Skin	>21000 mg/kg	Rabbit	LD50
	Sulfuric acid	Ingestion	2140 mg/kg	Rat	LD50
		Inhalation	0.375 mg/l/4h	Rat	LC50
Likely routes of exposure	Skin, eyes, inhalation.				
Delayed, immediate and chronic effects	<b>Eye contact</b>	May cause redness and irritation to eyes. Eye Irritation/Corrosion, Rabbit (OECD TG 405): tests performed with each ingredient (>1%) of this mixture gave non-irritating to severely irritating results.			
	<b>Skin contact</b>	May cause redness and irritation of the skin. Skin Irritation/Corrosion, Rabbit (OECD 404) : tests performed with each ingredient (>1%) of this mixture gave not irritating to irritating results.			
	<b>Inhalation</b>	Exposure to high concentrations of vapour may cause respiratory tract irritation.			
	<b>Ingestion</b>	Harmful if swallowed. Ingestion can cause abdominal pain, nausea, cramps, headache, dizziness, drowsiness and vomiting.			
	<b>Respiratory or skin sensitization</b>	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.			
	<b>IARC/NTP Classification</b>	<b>Common name IARC NTP</b> Sulfuric acid      1      K			

	<p>IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.</p> <p><b>Carcinogenicity</b> Strong inorganic acid mists containing sulphuric Acid (CAS no 7664-93-9) have carcinogenic properties according to several organisms (IARC, NTP, ACGIH). Sulfuric acid is slightly carcinogenic to animal; tumor development is related to the local irritation effect. Carcinogenic effects are probably negligible for this product.</p> <p><b>Mutagenicity</b> Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.</p> <p><b>Reproductive toxicity</b> Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.</p> <p><b>Specific target organ toxicity - single exposure</b> No target organ is listed.</p> <p><b>Specific target organ toxicity - repeated exposure</b> No target organ is listed.</p>
<b>Interactive effects</b>	No information available.
<b>Other information</b>	The oral acute toxicity estimate (ATE) of the mixture was calculated to be greater than 300 mg/Kg but lower than 2000 mg/kg. This value is classified according to GHS: Acute toxicity, oral (Category 4).

## 12. Ecological information

<b>Ecological toxicity</b>	<p>Fish - Oncorhynchus mykiss - Rainbow trout LC50 20.8 mg/L; 96 h (CAS no 7782-63-0)</p> <p>Fish - Guppy - Poecilia reticulata (static) LC50 17500 mg/L; 96 h (CAS no 57-13-6)</p> <p>Aquatic Invertebrate - Daphnia Magna (static) EC50 3910 mg/L; 48 h (CAS no 57-13-6)</p>
<b>Persistence</b>	Inorganic compounds persist in the environment indefinitely or incorporate into biological systems.
<b>Degradability</b>	The term biodegradability, as such, is not applicable to inorganic compounds.
<b>Bioaccumulative potential</b>	No potential to bioaccumulate.
<b>Mobility in soil</b>	The product is a mixture of which some ingredients have a high mobility in the soil, while other ingredients have a moderate to low mobility in the soil.
<b>Other adverse effects</b>	This chemical does not deplete the ozone layer.

## 13. Disposal considerations

	<b>Container</b>
<p>Important! Prevent waste generation. Use in full. Empty containers can be treated (recycled) where there is a recovery program. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.</p>	

## 14. Transport information

<b>UN Number</b>	UN N/A
<b>UN Proper Shipping Name</b>	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
<b>Environmental hazards</b>	This material does not contain marine pollutant.
<b>Special precautions for user</b>	No information available.
<b>TDG - Transportation of Dangerous Goods (Canada &amp; US DOT)</b>	

Transport hazard class(es)	Not regulated
Packing group	Not regulated
2020 Emergency Response Guidebook	N/A
<b>IMO/IMDG - International Maritime Transport</b>	
Classification	Not regulated
<b>IATA - International Air Transport Association</b>	
Classification	Not regulated
These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.	

## 15. Regulatory information

### CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Iron(II) sulfate heptahydrate	7782-63-0		X		
Urea	57-13-6		X		
Sulfuric acid	7664-93-9		X		X

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances



### UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Iron(II) sulfate heptahydrate	7782-63-0	X								
Urea	57-13-6	X								
Sulfuric acid	7664-93-9	X	X	X	X				X	


- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

### California Proposition 65

No ingredients listed.

<b>Other regulations</b>	Iron(II) sulfate heptahydrate (CAS no 7782-63-0) is not on the TSCA Inventory because it is a hydrate. It is considered to be listed because its anhydrous form (CAS no 7720-78-7) is listed on the TSCA inventory.
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><b>HMIS</b></p>  </div> <div style="text-align: center;"> <p><b>NFPA</b></p>  </div> </div>

## 16. Other information

<b>Date (YYYY-MM-DD)</b>	Premier Tech Home & Garden Inc 2021-11-12
<b>Version</b>	01
<b>Other information</b>	<p>REFERENCES:</p> <ul style="list-style-type: none"> <li>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), <a href="https://www.cnesst.gouv.qc.ca/fr">https://www.cnesst.gouv.qc.ca/fr</a></li> <li>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="https://haz-map.com/">https://haz-map.com/</a></li> <li>- The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, <a href="https://pubchem.ncbi.nlm.nih.gov">https://pubchem.ncbi.nlm.nih.gov</a></li> </ul> <p>ACGIH: American Conference of Governmental Industrial Hygienists  AIHA: American Industrial Hygiene Association  HMIS: Hazardous Materials Identification System  NFPA: National Fire Protection Association  OSHA: Occupational Safety and Health Administration (USA)  NIOSH: National Institute for Occupational Safety and Health  NTP: National Toxicology Program  RSST: Règlement sur la santé et la sécurité du travail (Québec)  GHS: Globally Harmonized System  IARC: International Agency for Research on Cancer  IDLH: Immediately Dangerous to Life or Health  STEL: Short Term Exposure Limit (15 min)  TWA: Time Weighted Averages  WHMIS: Workplace Hazardous Materials Information System</p>
<p>Powered by</p>  <p>A global vision of prevention</p>	<p>To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System, nor the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>