

**Safety Data Sheet**  
**CIL Restore Feed & Seed**  
**Lawn Fertilizer 22-0-10**



<b>1. Identification</b>	
<b>Product identifier</b>	CIL Restore Feed & Seed Lawn Fertilizer 22-0-10
<b>Product code</b>	2326601, 2326611, 2326631
<b>Other means of identification</b>	N.Av.
<b>Recommended use of the chemical and restrictions on use</b>	Lawn Fertilizer.
<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>	Avoid contact with eyes. Avoid contact with open wounds. 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.

<b>3. Composition/information on ingredients</b>		
<b>Common name</b>	<b>CAS</b>	<b>Weight % content</b>
Peat Moss	Peat Moss	30 - 60 %
Urea	57-13-6	10 - 30 %
XCU mixture of urea and sulfur	XCU mix	10 - 30 %
Potassium sulfate	7778-80-5	7 - 13 %
Zinc oxide	1314-13-2	0.1 - 1 %
Manganese carbonate	598-62-9	0.1 - 1 %
Iron(III) trioxide	1309-37-1	0.1 - 1 %
Copper chloride hydroxide (Cu <sub>2</sub> Cl(OH) <sub>3</sub> )	1332-65-6	0.1 - 1 %

**Note:** The XCU ingredient is a mixture containing urea (CAS no 57-13-6) and sulfur (CAS no 7704-34-9). The manufacturer withholds the actual concentration range of the ingredients as a trade secret. This product is not regulated by WHMIS 2015 (Hazardous Products Regulations) and by OSHA 29 CFR 1910.1200 (OSHA HCS 2012). Components not listed are not hazardous or are below reportable limits.

<b>4. First-aid measures</b>	
<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>	Direct contact with eyes may cause temporary irritation.
<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>	May be combustible at high temperature.
<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. Scrape and shovel the residue and place in a suitable container. 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 eyes. Avoid contact with open wounds. Wear eye protection, gloves and other protective clothing that are adapted to the 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. Wash thoroughly after handling.
<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. Keep away from food and drink. Keep away from moisture. Keep away from freezing.
<b>Storage temperature</b>	2 to 20°C (35.6 to 68°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	Zinc oxide: 500 mg/m <sup>3</sup> . Manganese carbonate: 500 mg/m <sup>3</sup> , value as manganese. Iron (III) Oxide: 2500 mg/m <sup>3</sup> , value as iron. Copper chloride hydroxide: 100 mg/m <sup>3</sup> , value as copper.				
Urea	TWA (8h)			10 mg/m <sup>3</sup>	US AIHA
Sulfur	TWA (8h)	Respirable Dust	3 ppm		ACGIH
		Total Dust	10 ppm		ACGIH
Zinc oxide	STEL	Respirable Dust		10 mg/m <sup>3</sup>	ACGIH , BC, ON, RSST

	TWA (8h)	Respirable Dust	2 mg/m <sup>3</sup>	ACGIH , BC, ON, RSST
Iron(III) trioxide	TWA (8h)	Respirable Dust	5 mg/m <sup>3</sup>	ACGIH , BC, ON, RSST
Copper chloride hydroxide (Cu <sub>2</sub> Cl(OH) <sub>3</sub> )	TWA (8h)	Value as Metal	1 mg/m <sup>3</sup>	ACGIH , BC, ON, RSST
Manganese carbonate	TWA (8h)	Respirable Dust	0.02 mg/m <sup>3</sup>	ACGIH , BC, BC
		Inhalable Fraction	0.1 mg/m <sup>3</sup>	ACGIH
		Value as Metal	0.2 mg/m <sup>3</sup>	ON , 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. However, goggles are recommended if the product is used in such a way as to generate high dust levels.			
<b>Hands</b>	Not required in normal use. In case of prolonged contact wear neoprene or nitrile 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				

## 9. Physical and chemical properties

<b>Physical state</b>	Granular solid	<b>Flammability</b>	Non-flammable
<b>Colour</b>	Multicoloured	<b>Flammability limits</b>	N/Av.
<b>Odour</b>	Alkaline odor	<b>Flash point</b>	N/Av.
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	N/Av.
<b>pH</b>	Und.	<b>Sensibility to electrostatic charges</b>	No
<b>Melting point</b>	N/Av.	<b>Sensibility to sparks and/or friction</b>	No
<b>Freezing point</b>	N/Av.	<b>Vapour density</b>	N/Av. (Air = 1)
<b>Boiling point</b>	N/Av.	<b>Relative density</b>	N/Av. (Water = 1)
<b>Solubility</b>	Partially soluble in water.	<b>Partition coefficient n-octanol/water</b>	N/Av.
<b>Evaporation rate</b>	N/Av.	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	N/Av.	<b>Viscosity</b>	N/Av.
<b>Percent Wt. Volatile</b>	N/Av.	<b>Molecular mass</b>	N/Av.
<b>VOC (g/L)</b>	N/Av.	<b>% Volume Volatile (VOC)</b>	N/Av.

VOC (lb/gal)	N/Av.	% Wt. Volatile (VOC)	N/Av.
N/Av.: Not Available		N/Av.: 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	Keep away from moisture.
Incompatible materials	Strong acids, strong bases.
Hazardous decomposition products	No decomposition product.

## 11. Toxicological information


Numerical measures of toxicity	Sulfur	Ingestion	>2000 mg/kg	Rat	LD50
		Inhalation	>5.43 mg/l/4h	Rat	LC50
		Skin	>2000 mg/kg	Rabbit	LD50
	Urea	Ingestion	8471 mg/kg	Rat	LD50
		Skin	>21000 mg/kg	Rabbit	LD50
	Potassium sulfate	Ingestion	6600 mg/kg	Rat	LD50
		Skin	>2000 mg/kg	Rat	LD50
	Manganese carbonate	Ingestion	>2000 mg/kg	Rat	LD50
		Inhalation	>5.35 mg/l/4h	Rat	LC50
	Zinc oxide	Ingestion	7950 mg/kg	Mouse	LD50
		Inhalation	2.5 mg/l/4h	Mouse	LC50
		Skin	>2000 mg/kg	Rabbit	LD50
	Copper chloride hydroxide (Cu <sub>2</sub> Cl(OH) <sub>3</sub> )	Ingestion	1398 mg/kg	Rat	LD50
		Inhalation	4.74 mg/l/4h	Rat	LC50
		Skin	>2000 mg/kg	Rat	LD50
	Iron(III) trioxide	Ingestion	>10000 mg/kg	Rat	LD50
		Skin	>2000 mg/kg	Rabbit	LD50
	Likely routes of exposure	Skin, eyes, inhalation.			
Delayed, immediate and chronic effects	<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.			
	<b>Skin contact</b>	Prolonged and repeated contact may cause skin dryness and irritation.			
	<b>Inhalation</b>	Dusts may irritate throat and respiratory system and cause coughing.			
	<b>Ingestion</b>	May cause gastric disturbance.			
	<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>	No ingredients listed.			
	<b>Carcinogenicity</b>	Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.			
	<b>Mutagenicity</b>	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.			
	<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.			
	<b>Specific target organ toxicity - single exposure</b>	No target organ is listed.			

	<b>Specific target organ toxicity - repeated exposure</b> No target organ is listed.
<b>Interactive effects</b>	No information available.
<b>Other information</b>	No additional information.

## 12. Ecological information

<b>Ecological toxicity</b>	Fish - Guppy - <i>Poecilia reticulata</i> (static)	LC50	17500 mg/L; 96 h (CAS no 57-13-6)
	Aquatic Invertebrate - <i>Daphnia Magna</i> (static)	EC50	3910 mg/L; 48 h (CAS no 57-13-6)
	Fish - <i>Oncorhynchus mykiss</i> - Rainbow trout	LC50	>180 mg/L; 96h (CAS no 7704-34-9)
	Aquatic Invertebrate - <i>Daphnia Magna</i> , Water flea, fresh water	EC50	>5000 mg/L; 48h (CAS no 7704-34-9)
	Fish - <i>Pimephales promelas</i> (fathead minnow) - freshwater static	LC50	680 mg/L; 96 h (CAS no 7778-80-5) EPA
	Aquatic Invertebrate - <i>Daphnia Magna</i> - Freshwater (static)	EC50	720 mg/L; 48 h (CAS no 7778-80-5) EPA
<b>Persistence</b>	The compounds persist indefinitely in the environment or incorporate into biological systems.		
<b>Degradability</b>	No information available for this product.		
<b>Bioaccumulative potential</b>	No information available for this product.		
<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> 	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.
---	--

## 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>	Contains ingredients that are marine pollutants.
<b>Special precautions for user</b>	No information available.
<b>TDG - Transportation of Dangerous Goods (Canada &amp; US DOT)</b>	
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>2020 Emergency Response Guidebook</b>	<a href="#">N/A</a>
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Not regulated

<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	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

<b>Other regulations</b>	
	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p><b>HMIS</b></p> </div> <div style="text-align: center;"> <p><b>NFPA</b></p> </div> </div>
<b>WHMIS 2015/GHS</b>	
<b>Not Regulated under WHMIS 2015</b>	
P102: Keep out of reach of children. P103: Read label before use.	

## 16. Other information

<b>Date (YYYY-MM-DD)</b>	Premier Tech Home & Garden Inc 2023-06-07
<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> <li>- ECOTOX Knowledgebase, US EPA, <a href="https://cfpub.epa.gov/ecotox/search.cfm">https://cfpub.epa.gov/ecotox/search.cfm</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>



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.