


SAFETY DATA SHEET

1. Identification:		
Product Identifier:	Steer®	
Other Means of Identification:	Registration Number: 2022721S Fertilizer Act	
Distributed by:	N.M. Bartlett Inc. 4509 Bartlett Rd, Beamsville, Ontario, L0R 1B1, Canada Tel: 905-563-8261	
Emergency Phone Number:	Chemtrec 1-800-424-9300 (24 hours) Canutec 613-996-6666 (24 hours)	
Recommended Use:	Plant growth regulator for post-bloom thinning and enhancement of fruit size of apples and pears	
Restrictions on Use:	Keep out of reach of children	
2. Hazard(s) Identification (This product is classified as non-hazardous as defined by Hazardous Products Regulations SOR/2015-17):		
Class/Category:	H319	
Route of Exposure:	Most likely exposure routes are dermal and oral.	
Hazards Not Otherwise Classified:	None known	
Signal Word:	Warning	
Symbol(s):		
Hazard Statements:	Causes serious eye irritation	
Precautionary Statements:	Prevention: Wash hands thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection. Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Disposal: Dispose of contents/container according to all national and regional regulations	
3. Composition:		
CAS number:	Component:	Percent:
68157-60-8	N-(2-chloro-4-pyridyl)-N'-phenyl urea	0.96%
68439-46-3	Alcohols, C9-11, ethoxylated	3.0%
The remainder of the mixture is not required to be disclosed by SOR/2015-17		
4. First Aid Measures:		
Inhalation:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice	
Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice / attention.	
Skin:	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	

Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything to an unconscious person.						
Symptoms/Effects:	Acute: No available information Delayed: No available information						
Indication of immediate medical attention and special treatment needed, if necessary:	No available information						
5. Fire Fighting Measures:							
Extinguishing Media:	Suitable: Water mist, CO ₂ , foam or dry powder. Unsuitable: High power water jet						
Specific Hazards Arising from the Chemical:	At very high temperatures will decompose to form carbon, nitrogen, compounds and aldehydes.						
Protective equipment and Precautions for Firefighters:	Breathable air apparatus must be worn when fighting a fire in which this product is involved.						
6. Accidental Release Measures:							
Personal Precautions, Protective Equipment and Emergency Procedures:	See Section 8 "Exposure controls/personal protection"						
Methods for Containment and Clean-Up:	Isolate spilled material for safe disposal and collect in sealable polylined containers, clean contaminated area with water. Prevent water from entering drains. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. See also Section 13. Disposal Considerations.						
7. Handling and Storage:							
Precautions for Safe Handling:	Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.						
Conditions for Safe Storage:	Keep container tightly closed when not in use. Store below 75°F. See also Section 10. Stability and Reactivity.						
8. Exposure Controls/Personal Protection:							
Component Exposure Limits:							
Substance	Canada Ontario		Canada Quebec		Canada Saskatchewan		ACGIH TLV
	ppm STEL	ppm TWA	ppm STEV	Mg/m ³ TWAEV	ppm STEL	ppm TWA	8-hr TWA (ST) STEL (C) Ceiling
57-55-6	-	50 (v)	-	-	-	-	
Appropriate Engineering Controls:	No applicable information available.						
Personal Protective Equipment:	-Respiratory protection Wear particle filter such as EN143 fitted with P-SL filter if exposure to high levels of material is likely. -Skin protection Laboratory coat or overalls. -Eye protection Chemical goggles or full-face visor -Hand protection Nitrile rubber or PVC gloves (Break-through times can vary depending on thickness, use and source. Change gloves regularly)						

	-General hygiene Do not eat, drink, or smoke while using this product. Immediately take off any contaminated clothing and launder before re-use. Wash hands and / or face before breaks and at the end of the shift.
9. Physical and Chemical Properties:	
Appearance:	Colorless liquid
Odor:	Slightly sweet
Odor Threshold:	Slight Chemical Odour
pH:	6-8 (1% solution)
Melting Point/Freezing Point:	No data available
Boiling Point:	>180°C
Flash Point:	>100°C (closed cup)
Evaporation Rate:	No data available
Flammability/Limits:	Not flammable LFL: not applicable UFL: not applicable
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	1.03 – 1.05 g/ml
Solubility (H₂O):	Completely soluble
Partition Coefficient:	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	21.58 mPa.s (40°C), 60.79 mPa.s (20°C)
10. Chemical Stability and Reactivity Information:	
Reactivity:	No applicable information available
Chemical Stability:	Stable in original containers for at least 2 years at ambient temperatures.
Possibility of Hazardous Reactions:	No applicable information available
Conditions to Avoid:	Excessive heat
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	None under normal conditions of storage and use.
11. Toxicological Information:	
Likely Routes of Exposure:	Most likely exposure by Dermal or oral route
Symptoms:	Inhalation: No data available Eye: Irritant Skin: Mild irritant Ingestion: No data available
Acute Toxicity:	Oral: LD ₅₀ Rat >2,000 mg/kg (EPA cat III) Inhalation: LC ₅₀ Rat >5.05 mg/l (EPA cat IV) Dermal: LD ₅₀ Rat >2,000 mg/kg (EPA cat III)
Skin Corrosion/Irritation:	(rabbit) Mild irritant insufficient for classification (EPA cat IV)
Serious Eye Damage/Eye Irritation:	(rabbit) Irritant (EPA cat III)
Sensitization:	Non-sensitizing (guinea pig)
Germ Cell Mutagenicity:	Not mutagenic (active ingredient)
Carcinogenicity:	The active component, N-(2-chloro-4-pyridyl)-N'-phenyl urea is classified as a carcinogen. However, the content of this material is below the threshold for classification as defined in SOR/2015-17 and therefore the product is unclassified, by calculation.
Reproductive/Developmental Toxicity:	No data available.
Specific Target Organ Toxicity:	Single Exposure: No data available Repeated Exposure: No data available

12. Ecological Information:

Ecotoxicity: No data available for the formulated product. Data given below is for the active component. By calculation, based on component data, this product does not meet the requirements for ecotoxicity classification.

Species:	Exposure Time	LC50/EC50/IC50
Fish	96 hr	1.9 mg/l
Daphnia	48 hr	2 mg/l
Algae	72 hr	5.23 mg/l
Bird (Northern Bobwhite)	n/a	>2250 mg/kg/day
Bee	n/a	>80.6µ/bee oral >80.6µ/bee contact
Persistence and Degradability:	No data available	
Bioaccumulation Potential:	No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	None known	

13. Disposal Considerations:

Disposal Instructions:	<p>Do not reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking to the collection site: Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Make the empty container unsuitable for further use.</p> <p>If there is no collection site in your area, dispose of the container in accordance with provincial requirements.</p> <p>For information on the disposal of unused, unwanted product, contact the manufacturer and the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.</p>
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14. Transport Information:

UN/TDG Proper Shipping Name:	Not applicable
Hazard Class:	Not applicable
UN/TDG Number:	Plant growth inhibitor, modifier or regulator
Packing group:	Not applicable
Marine Pollutant:	No
NMFC Number:	101685/65 Plant growth inhibitor, modifier or regulator, NOIBN

15. Regulatory Information:

DSL/NDSL:	68439-46-3 and 57-55-6 listed in DSL
TSCA:	All components of this product are either listed or are exempt on the TSCA inventory. The following components of this product are subject to the reporting requirements of Section 12(b) of TSCA: None
<p>This chemical is a pesticide product registered by the Pest Management Regulatory 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.</p>	
CFIA signal word:	WARNING
Precautionary Statements:	KEEP OUT OF REACH OF CHILDREN. KEEP OUT OF REACH OF CHILDREN. Users should wear long-sleeved shirt, long pants, and shoes plus socks when handling the product.
Pictograms/Symbols:	None

Product: Steer
Issue Date: 5/12/23
Version: 3

16. Other Information:	
None	
Issue Date/Version:	5/12/23 version 3
Supersedes:	5/10/23 version 2