

SAFETY DATA SHEET

1. Identification:

Product identifier:	Cilis Plus®
Manufactured by:	Fine Agrochemicals, Ltd. Hill End House, Whittington, Worcester, WR5 2RQ, UK Tel: + 44-1905-361800
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 / Canutec 613-996-6666
Recommended use:	Plant growth regulator
PCPA reg. number:	29210

2. Hazard(s) identification (as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):

Signal word/symbol: none

Not classified as hazardous under 29 CFR 1910.1200

PRECAUTIONARY STATEMENTS

Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before re-use.

Wear long pants, a long-sleeved shirt, shoes plus socks, chemical-resistant gloves and goggles or a face shield during mixing, loading, application, clean-up, and repair activities.

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools, and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature, application equipment, and sprayer settings.

Do not re-enter or allow re-entry into treated areas until 12 hours after application.

Do not contaminate feed or food.

HAZARD STATEMENTS

Environmental Hazards

Do not apply directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs or wetlands) and estuarine/marine habitats. Do not contaminate the above aquatic habitats when cleaning and rinsing spray equipment or containers.

Toxic to certain beneficial insects. Minimize spray drift to reduce harmful effects on beneficial insects in habitats next to the application site such as hedgerows and woodland.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

3. Composition:

Chemical name:	6-benzylaminopurine (6-BA)
Concentration:	2%
CAS No.:	1214-39-7 (active ingredient)

4. First aid measures:

If swallowed:	Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.
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 in eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
If inhaled:	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 centre or doctor for further treatment advice.
5. Fire fighting measures:	
Extinguishing media:	Water mist, CO ₂ , foam or dry powder
Specific hazards:	At very high temperatures will decompose to form carbon, chlorine, nitrogen, sulfur compounds and aldehydes.
Protective equipment:	Breathable air apparatus must be worn when fighting a fire in which this product is involved.
6. Accidental release measures:	
Personal precautions:	See Section 8 "Exposure controls/personal protection"
Methods for cleaning up:	For information on the disposal of unused, unwanted product, contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
7. Handling and storage:	
Precautions for safe handling:	Wear long pants, a long-sleeved shirt, shoes plus socks, chemical-resistant gloves and goggles or a face shield during mixing, loading, application, clean-up, and repair activities. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
Conditions for safe storage:	Avoid contamination of seed, feed and foodstuffs.
8. Exposure controls/personal protection:	
Exposure limit:	OSHA PEL: Not listed ACIGH TLV: Not listed
Engineering controls:	No applicable information available.
Individual protection measures:	Wear long pants, a long-sleeved shirt, shoes plus socks, chemical-resistant gloves and goggles or a face shield during mixing, loading, application, clean-up, and repair activities. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
9. Physical and chemical properties:	
Appearance:	Colorless liquid
Odor:	Slightly sweet odor
Odor threshold:	No applicable information available.
pH (1% in water):	4.4
Melting point/freezing point:	No applicable information available.
Boiling point:	185-189°C
Flash point:	104.5°C
Evaporation rate:	No applicable information available.
Flammability:	Not flammable.
Explosive properties:	Not explosive
Vapor pressure:	5.5x10 ⁻⁶ Pa @ 25°C (active ingredient)
Vapor density:	No applicable information available.
Relative density (@ 20°C):	1.04 g/ml
Solubilities:	
Water solubility @ 20°C:	Completely soluble in water @ 20°C

Fat solubility:	No applicable information available.
Partition coefficient:	No applicable information available.
Auto-ignition temperature:	No applicable information available.
Decomposition temperature:	No applicable information available.
Viscosity:	2.16 log P _{OW} (active ingredient pH 7)
10. Stability and reactivity:	
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:	
Routes of exposure/acute toxicity	
Oral:	LD50 Rat: >2 000mg/kg
Inhalation:	LC50 Rat: >5.02 mg/l
Dermal:	LD50 Rat: >2 000 mg/kg
Irritation	
Eye:	Non irritant
Skin:	Non irritant
Respiratory tract:	Non irritant
Sensitization	
Skin:	Non-sensitizing
Respiratory tract:	Non-irritant
Carcinogenicity:	Not carcinogenic (active ingredient)
Mutagenicity:	Not mutagenic (active ingredient)
Reproductive Toxicity:	Not reproductive (active ingredient)
Chronic Toxicity:	No applicable information available
NTP/IARC/OSHA listing(s):	No applicable information available
12. Ecological information:	
Ecotoxicity:	<ul style="list-style-type: none"> Fish: LC₅₀ (96h) > 100 mg/l Daphnia: EC₅₀ (48h) >100 mg/l Algae: EC₅₀ (72h) > 100 mg/l Bird: LD₅₀ 1599 mg/kg for northern bobwhite Bee: LD₅₀ oral >4000 µg/bee General: No known toxic effect on wildlife or beneficial insects
Mobility:	No applicable information available
Persistence and degradability:	>99.5% in aqueous media, half-life 5 days.
Bioaccumulation potential:	No applicable information available
13. Disposal considerations:	
<p>Pesticide disposal:</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> <p>Container disposal:</p> <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. If there is no collection site in your area, dispose of the container in accordance with provincial requirements.</p>	
14. Transport information:	
UN/TDG (Canada) Status:	Not applicable
UN number:	Not applicable
Proper shipping name:	Plant growth inhibitor, modifier or regulator

Packaging group:	Not applicable
NMFC number/class:	101685/65
Marine Pollutant:	No

15. Regulatory information:

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

16. Other information:

The information contained within this SDS is correct to the best of Fine Americas' knowledge at the time of preparation. It does not purport to be an exhaustive assessment. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. Fine Americas assumes no responsibility for any incidental or consequential damages arising from the use of this data and expressly disclaims any liability for loss, injury, damages or expenses arising from any failure to take into account the information or advice contained in this document.

This SDS does not replace or modify the PMRA-approved product labelling (attached to the product container). It is a violation of federal law to use a pesticide product in any manner not prescribed on the PMRA-approved label.

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