

SAFETY DATA SHEET

1. Identification

Product identifier	“EMULSIFIABLE CONCENTRATE” Potato Sprout Inhibitor REGISTRATION NO. 27971PEST CONTROL PRODUCTS ACT
Other means of identification	None.
Recommended use	Potato Sprout Inhibitor
Recommended restrictions	Read the approved PCPA label prior to using or handling the pest control product.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer	
Company name	Ag-Services Inc.
Address	P.O.Box 1121 Mitchell, ON N0K 1N0 Canada
Telephone	(519) 229-6669
E-mail	Not available.
Emergency phone number	(519) 229-6669
Supplier	See above.

2. Hazard identification

Physical hazards	Not classified.	
Health hazards	Carcinogenicity	Category 2
	Specific target organ toxicity following repeated exposure	Category 2
Environmental hazards	Not classified.	

Label elements



Signal word	Warning
Hazard statement	Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection and face protection. Do not breathe mist or vapour.
Response	IF exposed or concerned: Get medical attention. Get medical attention if you feel unwell.
Storage	Store locked up.
Disposal	Dispose of container in accordance with local, regional, national and international regulations.
Other hazards	None known.
Supplemental information	Classification in accordance with Canada WHMIS 2015 regulation.

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).

This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

Exempt - Registered product - (PCP 27971).

Refer to product label for further information.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
CHLORPROPHAM		101-21-3	35

Composition comments Not applicable to PCP products. Refer to product label for active ingredient content.

4. First-aid measures

Inhalation	IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.
Skin contact	IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.
Eye contact	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.
Ingestion	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.
Most important symptoms/effects, acute and delayed	Symptoms may include stomach distress, nausea or vomiting. Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat patient symptomatically. Overexposure to chlorpropham may result in methemoglobinemia. Symptoms may be delayed.
General information	<p>If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Wear rubber gloves and safety glasses with side shields. Keep out of reach of children.</p> <p>Never give anything by mouth to an unconscious person. Remove victim to a safe and uncontaminated area. Seek medical attention immediately if toxicity/irritation/etc. persists or is severe. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.</p> <p>NOTICE TO USER This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.</p>

5. Fire-fighting measures

Suitable extinguishing media	Alcohol foam. Dry chemical. Carbon dioxide. Fog.
Unsuitable extinguishing media	Not available.
Specific hazards arising from the chemical	Firefighters should wear a self-contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of nitrogen. Hydrogen chloride. Chlorine gas. Phosgene. Oxides of carbon.
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Methods and materials for containment and cleaning up	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling	<p>DO NOT APPLY IN THE FIELD. DO NOT APPLY ON SEED POTATOES.</p> <p>Do not contaminate seed potatoes. Store treated potatoes away from seed potatoes. Keep container closed when not in use. Prolonged exposure to air may result in moisture pick-up which can affect the emulsifying properties of the product. Avoid storage below freezing temperatures. Prolonged storage may result in crystal formation. Warming contents and agitation will restore material to usable condition, but do not heat above 120°C. This product inhibits germination and plant growth. Store away from seed potatoes, fertilizers, seeds, plants and pesticides.</p> <p>Avoid contact with eyes and skin. Avoid prolonged breathing of vapour or spray mist. Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash thoroughly after handling.</p>
Conditions for safe storage, including any incompatibilities	<p>Keep out of reach of children.</p> <p>Avoid storage below freezing temperatures.</p> <p>Prolonged storage may result in crystal formation.</p> <p>This product inhibits germination and plant growth. Store away from seed potatoes, fertilizers, seeds, plants and pesticides.</p>

8. Exposure controls/Personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	This material does not have established exposure limits.
Appropriate engineering controls	A shield should be constructed around the spray table/conveyor belt to prevent spray mist from drifting.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields.
Skin protection	
Hand protection	Chemical resistant gloves.
Other	For mixing and loading, wear cotton coveralls and chemical-resistant gloves.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
Thermal hazards	Not available.
General hygiene considerations	Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices. When using do not eat or drink.

9. Physical and chemical properties

Appearance	Clear
Physical state	Liquid.
Form	Liquid
Colour	Yellow
Odour	Characteristic
Odour threshold	Not available.
pH	7.8
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	> 93.3 °C (> 199.9 °F)
Evaporation rate	Not available
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available
Flammability limit - upper (%)	Not available
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapour pressure	Not available
Vapour density	Not available

Relative density	1 @ 24°C
Solubility(ies)	
Solubility (water)	Emulsifiable
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Oxidizers. Caustics. Acids.
Hazardous decomposition products	May include and are not limited to: Hydrogen chloride. Oxides of nitrogen. Chlorine gas. Phosgene. Oxides of carbon.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause respiratory tract irritation.
Skin contact	May cause irritation.
Eye contact	May cause irritation.
Ingestion	May cause stomach distress, nausea or vomiting.

Symptoms related to the physical, chemical and toxicological characteristics	Symptoms may include stomach distress, nausea or vomiting. Direct contact with skin may cause irritation.
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Information on toxicological effects

Acute toxicity

Components	Species	Test Results
CHLORPROPHAM (CAS 101-21-3)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, HSDB
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rabbit	5000 mg/kg, RTECS
	Rat	1200 mg/kg, RTECS

Skin corrosion/irritation Not available.

Exposure minutes Not available.

Erythema value Not available.

Oedema value Not available.

Serious eye damage/eye irritation Not available.

Corneal opacity value Not available.

Iris lesion value Not available.

Conjunctival reddening value Not available.

Conjunctival oedema value Not available.

Recover days Not available.

Respiratory or skin sensitisation

Respiratory sensitisation Not available.

Skin sensitisation Not available.

Germ cell mutagenicity Non-hazardous by WHMIS criteria.

Carcinogenicity See below.

IARC Monographs. Overall Evaluation of Carcinogenicity

CHLORPROPHAM (CAS 101-21-3)

Volume 12, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Not available.

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Not available.

Chronic effects Overexposure to chlorpropham may result in methemoglobinemia.

Further information Not available.

12. Ecological information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Mobility in soil Not available.

Mobility in general Not available.

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

Hazardous waste code Not regulated.

Waste from residues / unused products Not available.

Contaminated packaging Not available.

14. Transport information

General Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN3082

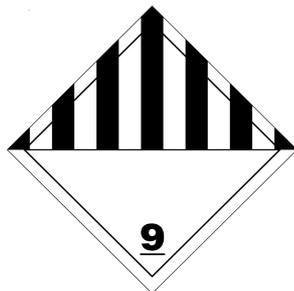
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Technical name Chlorpropham

Hazard class 9

Packing group III

TDG



15. Regulatory information

Canadian federal regulations

Exempt - Registered product - (PEST CONTROL PRODUCTS ACT: REGISTRATION NO. 27971).

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Read the approved PCPA label prior to using or handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control product label:

CAUTION
POISON
SKIN IRRITANT
READ THE LABEL BEFORE USING.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. May irritate the skin. Do not contaminate seed potatoes. Store treated potatoes away from seed potatoes. Avoid prolonged breathing of vapour or spray mist. Avoid contact with skin and eyes. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S. visit CropLife Canada's website at www.CropLife.ca.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

WHMIS classification

Exempt - Registered product - (PCP 27971)

Inventory status

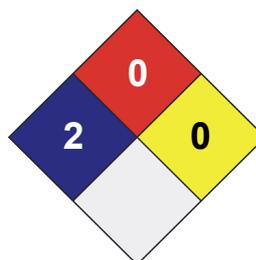
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	* 2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Issue date

23-March-2020

Revision date

23-March-2020

Version No.

01

Other information

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Disclaimer

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Prepared by

Dell Tech Laboratories Ltd. Phone: (519) 858-5021