



Safety Data Sheet

Issue Date: 4-Apr-2017

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name **Ladder All In**

Other means of identification

SDS # ADAMA-216

Registration Number(s) Not registered in the US
Pest Control Product Reg. No. 32497

UN/ID No UN3082

Recommended use of the chemical and restrictions on use

Recommended Use Herbicide.

Details of the supplier of the safety data sheet

Manufacturer Address

Adama Agricultural Solutions Canada Ltd.
302- 179 McDermot Avenue
Winnipeg, MB
R3B 0S1
1-855-264-6262

Emergency Telephone Number

Emergency Telephone (24 hr) For fire, spill and/or leak contact INFOTRAC:
1-800-535-5053 (North America) 1-352-323-3500 (International)
For medical emergencies and health/safety inquiries, contact PROSAR:
1-877-250-9291

2. HAZARDS IDENTIFICATION

This chemical is a product registered by the Canadian Pest Control Products Act and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-PCPA registered chemicals. Please see Section 15 for additional information. This product has been classified according to Canada's Hazardous Product Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Physical state Liquid

Classification

Serious eye damage/eye irritation	Category 1
Acute toxicity – Inhalation	Category 4
Aspiration toxicity	Category 1

Signal Word

Danger

Hazard statements

Causes serious eye damage

Harmful if inhaled

May be fatal if swallowed and enters airways

**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

Get medical advice/attention if you feel unwell

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a poison center or doctor/physician

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Call a poison center/doctor if you feel unwell

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Keep out of the reach of children

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
CLODINAFOF-PROPARGYL	105512-06-9	7-8
Aromatic Petroleum Distillates	Proprietary	25-30
Proprietary Solvent	Proprietary	5-15
Proprietary Hydrocarbon	Proprietary	<1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures**General Advice**

Get medical advice/attention if you feel unwell. Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Skin Contact

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

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.
Ingestion	IF SWALLOWED: call a poison control center or physician immediately. Do NOT induce vomiting. Do NOT give liquids. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms	Causes serious eye damage. Harmful if inhaled. May be fatal if swallowed and enters airways.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	This product contains a petroleum distillate. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia. Treat symptomatically for ingestion and/or skin and eye contact.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use personal protective equipment as required.
For Emergency Responders	Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent runoff to storm sewers and ditches leading to natural waterways.
Methods for Clean-Up	Soak up with inert absorbent material. Clean contaminated surface thoroughly. Place in appropriate containers for disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling	DO NOT get in eyes or on skin. This product contains the allergen soy. Avoid contact with clothing. Wear coveralls or long sleeved shirt and long legged pants, chemical resistant gloves, and
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goggles or a face shield when mixing, loading or during equipment clean-up or repair. During application, wear coveralls or long sleeved shirt and long legged pants. Wash gloves thoroughly with soap and water before removing them during any operation. Wash hands thoroughly with soap and water after using this product and before eating, drinking or smoking.

Remove contaminated clothing immediately after use.

Store and wash contaminated clothing separately from household laundry before reuse. Wash thoroughly with soap and water after handling. Handle and apply only as recommended on product label.

Do not eat, drink or smoke while mixing, loading or during application.

Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Apply only when the potential for drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings. Contaminated work clothing must not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Store the product in closed original container in a well-ventilated room. Keep out of reach of children, unauthorized persons and animals. To prevent contamination, store this product away from food, feed, and fertilizer. Store locked up.
Incompatible Materials	None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary Hydrocarbon	TWA: 0.2 ppm	TWA: 0.2 ppm TWA: 1 mg/m ³ (vacated) TWA: 0.2 ppm (vacated) TWA: 1 mg/m ³	IDLH: 100 mg/m ³ TWA: 0.2 ppm TWA: 1 mg/m ³

Appropriate engineering controls

Engineering Controls	Please refer to the product label. Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Goggles or face shield.
Skin and Body Protection	Wear coveralls or long sleeved shirt and long legged pants, chemical resistant gloves, and goggles or a face shield when mixing, loading or during equipment clean-up or repair. During application, wear coveralls or long sleeved shirt and long legged pants.
Respiratory Protection	In areas with inadequate ventilation a NIOSH-approved chemical cartridge respirator with organic vapor cartridges and pesticide pre-cartridges or a self-contained breathing apparatus may be required when working with this product.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Wash gloves thoroughly with soap and water before removing them during any operation. Wash hands thoroughly with soap and water after using this product and before eating, drinking or smoking. Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before reuse. Wash thoroughly with soap and water after handling. Handle and apply only as

recommended on product label.
Do not eat, drink or smoke while mixing, loading or during application.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Not determined
Appearance	Not determined	Odor Threshold	Not determined
Color	Not determined		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5-6.5	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	>100°C	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	1.04	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	60 mPa (s)	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

None known based on information supplied.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	Causes serious eye damage.
Skin Contact	Slightly irritating
Inhalation	Harmful if inhaled.
Ingestion	May be fatal if swallowed and enters airways.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aromatic Petroleum Distillates	= 1110 mg/kg (Rat)	> 2500 mg/kg (Rat)	-
Proprietary Solvent	= 29000 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-
Proprietary Hydrocarbon	= 2140 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Acute Oral LD50 (Rat): >2000 mg/kg

Acute Dermal LD50 (Rabbit): >2000 mg/kg

Acute Inhalation LC50 (Rat): 1.01-5.01 mg/L

Eye Irritation: Causes serious eye damage

Dermal Irritation: Slightly irritating

Dermal Sensitization: Not a skin sensitizer

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product contains aromatic petroleum distillates which are toxic to aquatic organisms.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Proprietary Solvent	500: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	1000: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static 5300: 96 h <i>Leuciscus idus</i> mg/L LC50 static	500: 48 h <i>Daphnia magna</i> mg/L EC50
Proprietary Hydrocarbon	1.28: 3 h <i>Chlamydomonas angulosa</i> mg/L EC50	1.17 - 1.81: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1.65 - 2.29: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 4.3 - 5.1: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 1.4 - 1.6: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	0.63 - 0.85: 48 h <i>Daphnia magna</i> mg/L EC50 Static

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Proprietary Solvent	0.48
Proprietary Hydrocarbon	4

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not contaminate water, food, or feed by storage or disposal.

Contaminated Packaging

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 the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.

2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

14. TRANSPORT INFORMATION**DOT/TDG (Road/Rail)**

Package size less than 119 Gallons (450 Liters): Not Regulated

Package size larger than 119 Gallons (450 Liters):

UN/ID No

UN3082

Proper Shipping Name

Environmentally hazardous substances, liquid, n.o.s. (Clodinafop-propargyl)

Hazard Class

9

Packing Group

III

Marine Pollutant

Yes.

IATA**UN/ID No**

UN3082

Proper Shipping Name

Environmentally hazardous substances, liquid, n.o.s. (Clodinafop-propargyl)

Hazard Class

9

Packing Group

III

Marine Pollutant

Yes

IMDG**UN/ID No**

UN3082

Proper Shipping Name

Environmentally hazardous substances, liquid, n.o.s. (Clodinafop-propargyl)

Hazard Class

9

Packing Group

III

Marine Pollutant

Yes

TDG

Section 1.45.1 of the TDG Regulations provides an exemption from documentation and safety marks only for this product and only when transported by a road or railway vehicle.

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
CLODINAFOP-PROPARGYL	X							
Aromatic Petroleum Distillates	X	X	X	Present	X	Present	X	X
Proprietary Solvent	X	X	X	Present	X	Present	X	X
Proprietary Hydrocarbon	X	X	X	Present	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Proprietary Hydrocarbon	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Proprietary Hydrocarbon -		<1	1.0

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary Hydrocarbon	X	X	X

Pesticide Registration Number

Not registered in the US
Pest Control Product Reg. No. 32497

Pest Control Product Statement

This chemical is a pest 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.

Read the approved label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

Product Label

Caution

Poison

Danger- Corrosive to eyes

KEEP OUT OF REACH OF CHILDREN

Difference between SDS and product label

	Product Label	SDS
Signal Word	Caution/Poison/Danger	Danger
Eye damage/irritation	Corrosive to eyes	Causes serious eye damage
Acute toxicity – inhalation	N/A	Harmful if inhaled
Aspiration	Vomiting may cause aspiration pneumonia	May be fatal if swallowed and enters airways

16. OTHER INFORMATION**NFPA****Health Hazards****Flammability****Instability****Special Hazards**

Not determined

Not determined

Not determined

Not determined

HMIS**Health Hazards****Flammability****Physical hazards****Personal Protection**

Not determined

Not determined

Not determined

Not determined

Issue Date: 4-Apr-2017
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Revision Note: New format

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.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet