



Safety Data Sheet (SDS)

Issue Date: 10-Aug-2017

Revision Date: 25-Nov-2020

Version 3

1. IDENTIFICATION

Product Identifier

Product Name

Cadillac™ Unpacked

Other means of identification

SDS #

ADAMA-222

Registration Number(s)

Not registered in the US
Pest Control Product Reg. No. 30428

Recommended use of the chemical and restrictions on use

Recommended Use

Herbicide.

Details of the supplier of the safety data sheet

Registrant

ADAMA Agricultural Solutions Canada Ltd.
300 – 191 Lombard Avenue
Winnipeg, Manitoba R3B 0X1
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 ProPharma Group:
1-877-250-9291

2. HAZARD IDENTIFICATION

This chemical is a product registered under the *Pest Control Products Act* (PCPA) of Canada 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).

Appearance Light to dark brown liquid

Physical state Liquid

Odor Aromatic

Classification

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Carcinogenicity	Category 2
Aspiration toxicity	Category 1

Signal Word

Danger

Hazard statements

Harmful if swallowed
Causes skin irritation
Causes eye irritation
Suspected of causing cancer
May be fatal if swallowed and enters airways

**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 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
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
 If skin irritation occurs: Get medical advice/attention
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Rinse mouth
 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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Clodinafop-propargyl	105512-06-9	>22
Naphtha (petroleum), heavy aromatic	64742-94-5	<70
Naphthalene	91-20-3	<8

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**

Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

Eye Contact

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

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

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquids to the person. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects**Symptoms**

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. May be fatal if swallowed and enters airways.

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.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Foam (alcohol resistant preferred). Carbon dioxide (CO₂). Dry chemical. Water spray (fog).

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Fire and Explosion Hazards: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition.

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. Evacuate area of unprotected personnel. Remain upwind of fire to avoid hazardous vapors and decomposition products. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

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

Use personal protective equipment as required.

Environmental precautions**Methods and material for containment and cleaning up****Methods for Containment**

Dike to prevent contamination of local water sources. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. Dispose of all waste and rinsate in the appropriate manner. Decontaminate tools and equipment following cleanup.

Methods for Clean-Up

Dike spill using absorbent or impervious materials such as earth, sand, or clay. Prevent material from entering public sewer system or any waterway. If spilled on the ground, the affected area should be removed and placed in an appropriate container for disposal. Clean up small spills immediately, use proper personal protection. Absorb spill with absorbent material such as pet litter. Sweep up and place in a chemical container. Seal the container and handle in an approved manner. Keep spills out of streams and domestic water supplies.

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

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not contaminate water, food or feed by storage, disposal or by cleaning equipment. Open and handle container with care. Keep away from heat/sparks/open flames/hot surfaces.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Protect from freezing. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Keep/store only in original container. Do not use food or drink containers for mixing or storage. Keep away from food, drink and animal feeding stuffs.

Incompatible Materials

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Naphthalene	TWA: 10 ppm S* (Skin)	TWA: 10 ppm TWA: 50 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m ³ (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m ³	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m ³ STEL: 15 ppm STEL: 75 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.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Wear goggles or face shield.

Skin and Body Protection

Wear coveralls or long sleeved shirt and long legged pants, chemical resistant gloves.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Aromatic solvent
Appearance	Light to dark brown liquid	Odor Threshold	Not determined
Color	Light to dark brown		
Property	Values	Remarks • Method	
pH	4-6		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not determined		
Flash Point	102°C/216°F		
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	Not determined
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	32.5 mPa(s)
Explosive Properties	Not determined
Oxidizing Properties	Not determined

Other Information

Density 1.08 g/mL

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.

Incompatible Materials

Strong oxidizing agents; Bases; Mineral acids.

Hazardous Decomposition Products

Hazardous Decomposition Products: Chlorine, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Eye Contact Causes serious eye irritation.

Skin Contact Causes skin irritation.

Inhalation Do not inhale.

Ingestion Harmful if swallowed.

Component Information

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Solvent naphtha (petroleum), heavy aromatic	> 5000 mg/kg (Rat)	> 2 mL/kg (Rabbit)	> 590 mg/m ³ (Rat) 4 h
Naphthalene	= 1110 mg/kg (Rat) = 490 mg/kg (Rat)	= 1120 mg/kg (Rabbit) > 20 g/kg (Rabbit)	> 340 mg/m ³ (Rat) 1 h

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**

Suspected of causing cancer.

Chemical Name	ACGIH	IARC	NTP	OSHA
Naphthalene	A3	Group 2B	Reasonably Anticipated	X

Legend*ACGIH (American Conference of Governmental Industrial Hygienists)**A3 - Animal Carcinogen**IARC (International Agency for Research on Cancer)**Group 2B - Possibly Carcinogenic to Humans**NTP (National Toxicology Program)**Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**X - Present***Aspiration hazard**

May be fatal if swallowed and enters airways.

Product Information (Numerical measures of toxicity)**Acute Oral LD50 (Rat):** 2,000 mg/kg**Acute Dermal LD50 (Rabbit):** >2,000 mg/kg**Acute Inhalation LC50 (Rat):** >5.05 mg/L**Eye Irritation:** Moderately irritating**Dermal Irritation:** Mildly irritating**Dermal Sensitization:** Not a contact sensitizer**12. ECOLOGICAL INFORMATION****Ecotoxicity**

This product contains aromatic petroleum distillates which are toxic to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE. To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine textured or low in organic matter such as clay). When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Naphtha (petroleum), heavy aromatic	72 h EC ₅₀ : <i>Skeletonema costatum</i> (phytoplankton) 2.5 mg/L	96 h LC ₅₀ : <i>Lepomis macrochirus</i> (bluegill sunfish) 1740 mg/L static 96 h LC ₅₀ : <i>Oncorhynchus mykiss</i> (rainbow trout) 2.34 mg/L flow-through 96 h LC ₅₀ : <i>Pimephales promelas</i> (fathead minnow) 41 mg/L 96 h LC ₅₀ : <i>Pimephales promelas</i> 19 mg/L static 96 h LC ₅₀ : <i>Pimephales promelas</i> 45 mg/L flow-through	48 h EC ₅₀ : <i>Daphnia magna</i> 0.95 mg/L
Naphthalene	72 h EC ₅₀ : <i>Skeletonema costatum</i> 0.4 mg/L	96 h LC ₅₀ : <i>Lepomis macrochirus</i> 31.0265 mg/L static 96 h LC ₅₀ : <i>Oncorhynchus mykiss</i> 0.91 - 2.82 mg/L static 96 h LC ₅₀ : <i>Oncorhynchus mykiss</i> 1.6 mg/L flow-through 96 h LC ₅₀ : <i>Pimephales promelas</i> 1.99 mg/L static 96 h LC ₅₀ : <i>Pimephales promelas</i> 5.74 - 6.44 mg/L flow-through	48 h EC ₅₀ : <i>Daphnia magna</i> 1.09 - 3.4 mg/L 48 h EC ₅₀ : <i>Daphnia magna</i> 2.16 mg/L static 48 h EC ₅₀ : <i>Daphnia magna</i> 1.96 mg/L flow-through

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Solvent naphtha (petroleum), heavy aromatic	2.9 - 6.1
Naphthalene	3.6

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Follow container label instructions for disposal of wastes generated during use in compliance with the product label.
Dispose in accordance with all local, state/provincial and federal regulations.

Contaminated Packaging

Follow advice on product label.
Do not re-use empty containers.
Triple rinse containers.
Puncture container to avoid re-use.
Consult state and local regulations regarding the proper disposal of container.

14. TRANSPORT INFORMATION

Note

The transport classification(s) and information provided in this section are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by mode of transportation, container volume and package sizes. The transportation of materials and related activities are subject to all applicable laws, rules and requirements of regional and/or country regulations. Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT**UN/ID No**

UN3082

Proper Shipping Name

Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl)

Hazard class

9

Packing Group

III

Marine Pollutant

Yes

<119 Gal (450 Liters): Not regulated when transported on land by motor vehicle or rail car in non-bulk containers.

≥119 Gal (450 Liters): REGULATED

Refer to 49 CFR §171.4, 172.101 Appendix A & 173.132(b)(3)

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

UN/ID No	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl)
Hazard class	9
Packing Group	III

Marine Pollutants assigned UN number 3077 and 3082 in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 Kg or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code, IATA special provision A197, and ADR/RID special provision 375.

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINC	ENCS	IECSC	KECL	PICCS	AICS
CLODINAFOP-PROPARGYL	X							
Naphtha (petroleum), heavy aromatic	X	X	X		X	Present	X	X
Naphthalene	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/ELINC - 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**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Naphthalene	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 %
Naphthalene	91-20-3	<8	0.1

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Naphthalene	100 lb	X	X	X

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Naphthalene	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Naphthalene	X	X	X

CANADIAN REGULATIONS

There are Canada-specific environmental requirements for handling, use and disposal of this pest control product that are indicated on the product label.

Hazardous Products Regulations Information:

This product has been classified in accordance with the amended *Hazardous Products Act* (HPA) and the Hazard Criteria of the *Hazardous Products Regulations* (HPR), and the SDS contains all the information required by the HPR.

Hazardous Products Act Information:

Pest control products, as defined in subsection 2(1) of the *Pest Control Products Act* (PCPA), are excluded from the application of the *Hazardous Products Act* (that is, pest control products are exempt from the supplier labelling and SDS requirements of the *Hazardous Products Act and Regulations*). This product is exempt under WHMIS 2015 but has voluntarily been classified according to the WHMIS 2015 standard.

Pest Control Products Act Registration Number: 30428

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

Product Statement

This chemical is a pest control product registered and regulated by Health Canada's Pest Management Regulatory Agency (PMRA) 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, and for workplace labels of non-PCPA registered chemicals. Read the approved label, authorized under the *Pest Control Products Act*, prior to using or handling the pest control product. The following is the hazard information required on the pest control product label:

PCPA Label Hazard Communications

CAUTION POISON

WARNING- EYE AND SKIN IRRITANT

Keep out of reach of children

Read the label and booklet before using

Harmful if swallowed, absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid breathing vapours. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Do not use or store near heat or open flame.

PCPA Label Hazard Communications

CAUTION POISON

WARNING- EYE AND SKIN IRRITANT

Keep out of reach of children

Read the label and booklet before using

Harmful if swallowed.

May irritate eyes. Do not wear contact lenses when using.

DO NOT get in eyes or on skin. Avoid contact with clothing. During mixing, loading, clean-up, repair and when applying by groundboom, workers must wear coveralls over long-sleeved shirt and long pants, shoes and socks, goggles, and chemical-resistant gloves. When applying by aerial application, pilots must wear long-sleeved shirt and long 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 this label.

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

Difference between SDS and Pest Control Products Act label

	PCPA	SDS
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Signal Word	Caution/Poison/Warning	Danger
Acute Toxicity- Oral	N/A	Harmful if swallowed
Skin Corrosion/Irritation	Skin irritant	Causes skin irritation
Serious Eye Damage/Irritation	Eye irritant	Causes eye irritation
Carcinogenicity	N/A	Suspected of causing cancer
Aspiration Toxicity	N/A	May be fatal if swallowed and enters airways

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	None
HMIS	Health Hazards	Flammability	Physical hazards	Personal Protection
	1	0	0	See Section 8

Revision Date: 25-Nov-2020

Revision Note: Product name change, updates section information

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