



# Safety Data Sheet

Issue Date: 28-Feb-2023

Revision Date: 28-Feb-2023

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** ADAMA GLUFOSINATE 150 SL

### Other means of identification

**SDS #** ADAMA-352-CA  
**Synonyms** None  
**Registration Number(s)** PCP No. 34833

### Recommended use of the chemical and restrictions on use

**Recommended Use** Laboratory chemicals and Manufacture of substances

**Uses Advised Against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ADAMA Agricultural Solutions Canada Ltd.  
300-191 Lombard Avenue  
Winnipeg, Manitoba R3B 0X1  
1-855-264-6262

#### Emergency telephone number

**Emergency Telephone** 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. HAZARDS IDENTIFICATION

**Appearance** Stable homogeneous blue liquid  
**Physical state** Liquid

**Odour** Slight pungent odor

### Classification

Acute toxicity - Dermal	Category 4
Reproductive toxicity	Category 1B
Specific target organ toxicity (STOT) — repeated exposure	Category 2
Flammable Liquids	Category 4

### Label elements

#### Signal word

**Danger**

**Hazard statements**

Harmful in contact with skin  
 May damage fertility or the unborn child  
 May cause damage to organs through prolonged or repeated exposure  
 Combustible liquid

**Precautionary Statements - 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/face protection  
 Do not breathe dust/fume/gas/mist/vapours/spray  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of water and soap  
 Call a POISON CENTRE or doctor if you feel unwell  
 Take off all contaminated clothing and wash it before reuse  
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate	77182-82-2	>/= 150 g/l	-	-

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>General advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
<b>Skin contact</b>	Wash with plenty of soap and water. Call a POISON CENTRE/doctor/physician if you feel unwell. Take off contaminated clothing and wash it before reuse.

---

Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

Symptoms	Harmful in contact with skin. May cause damage to organs.
----------	---

**Indication of any immediate medical attention and special treatment needed**

Note to doctors	Treat symptomatically.
-----------------	------------------------

## 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical	Combustible liquid.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Personal precautions	Ensure adequate ventilation.
----------------------	------------------------------

**Environmental precautions**

Environmental precautions	See Section 12 for additional Ecological Information.
---------------------------	---

**Methods and material for containment and cleaning up**

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labelled containers.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing and eye/face protection. Do not breathe dust/fume/gas/mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
-------------------------	--

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

<b>Storage Conditions</b>	Keep containers tightly closed in a cool, well-ventilated place. Store locked up.
<b>Incompatible materials</b>	Oxidising agent Acids Bases

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

<b>Exposure Limits</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
------------------------	---

**Appropriate engineering controls**

<b>Engineering controls</b>	Showers Eyewash stations Ventilation systems.
-----------------------------	---

**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Safety glasses with side-shields. If necessary, refer to appropriate regulations and standards.
<b>Skin and body protection</b>	Wear suitable protective clothing. Wear suitable gloves. If necessary, refer to appropriate regulations and standards.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. If necessary, refer to appropriate regulations and standards.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Appearance</b>	Stable homogeneous blue liquid
<b>Colour</b>	Blue
<b>Odour</b>	Slight pungent odor
<b>Odour Threshold</b>	Not determined

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	7.17	@ 25 °C
<b>Melting point / freezing point</b>	No data available	
<b>Initial boiling point and boiling range</b>	No data available	
<b>Flash point</b>	60.7 °C / 141.26 °F	
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	Not determined	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapour Pressure</b>	Not determined	
<b>Vapour Density</b>	1.0709 g/ml	(at 20°C/68°F)

<b>Relative Density</b>	Not determined
<b>Water Solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Autoignition temperature</b>	No data available
<b>Hyphen</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	540.2 mPa/s for 20°C / 510.6 mPa.s for 25°C
<b>Explosive properties</b>	Not determined.
<b>Oxidising properties</b>	Not determined.

**Other information**

<b>Softening Point</b>	Not determined
<b>Molecular weight</b>	Not determined
<b>VOC content</b>	No data available
<b>Liquid Density</b>	Not determined
<b>Bulk density</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	Ignition sources. Extreme heat, open flames or sparks.
<b>Incompatible materials</b>	Oxidising agent. Acids. Bases.
<b>Hazardous decomposition products</b>	None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

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

<b>Eye contact</b>	Avoid contact with eyes.
<b>Skin contact</b>	Harmful in contact with skin.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Do not ingest.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
<b>Acute toxicity</b>	
<b>Unknown acute toxicity</b>	No information available

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate 77182-82-2	= 1620 mg/kg ( Rat )	> 4000 mg/kg ( Rat )	= 1.26 mg/L ( Rat ) 4 h > 0.62 mg/L ( Rat ) 4 h

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

<b>Carcinogenicity</b>	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity</b>	May damage fertility or the unborn child.
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence/Degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Other adverse effects</b>	No information available.

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

<b>Waste from residues/unused products</b>	Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Do not reuse empty containers.

**14. TRANSPORT INFORMATION**

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances
<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated

**15. REGULATORY INFORMATION****REGULATORY INFORMATION****International Regulations**

<b>Ozone-depleting substances (ODS)</b>	Not applicable
<b>The Stockholm Convention on</b>	Not applicable

**Persistent Organic Pollutants**

The Rotterdam Convention Not applicable

**International Inventories**

Chemical name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AIIC
Ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate	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**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION****NFPA**  
**HMIS**Health hazards -  
Health hazards -Flammability 2  
Flammability 2Instability -  
Physical hazards -Special hazards -  
Personal Protection Not  
determined**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**TWA TWA (time-weighted average)  
STEL STEL (Short Term Exposure Limit)  
Ceiling Maximum limit value  
\* Skin designation

Revision Date: 28-Feb-2023

Revision Note: New format.

**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**