



# Safety Data Sheet

Issue Date: 29-Jun-2023

Revision Date: 21-Jan-2025

Version 3

## 1. IDENTIFICATION

### Product identifier

Product Name                      Cazado

### Other means of identification

SDS #                                      ADAMA-356-CA

Registration Number                      35344

UN/ID No                                      UN3082

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

Recommended Use                      Herbicide

Uses Advised Against                      No information available

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

#### Initial supplier identifier

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    Light ivory liquid

Physical state    Liquid

Odour    Light ivory

### Classification

Skin sensitisation	Category 1
Reproductive toxicity	Category 2

### Signal word

Warning

### **Hazard statements**

May cause an allergic skin reaction  
Suspected of damaging fertility or the unborn child

**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  
 Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapours/spray  
 Contaminated work clothing should not be allowed out of the workplace

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of water and soap  
 Take off all contaminated clothing and wash it before reuse  
 If skin irritation or rash occurs: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Information**

Very toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Pinoxaden	243973-20-8	7-13	-	-
Mefenpyr-diethyl	135590-91-9	5-10	-	-
Thiencarbazone-methyl	317815-83-1	0.5-1.5	-	-

### 4. FIRST AID MEASURES

**Description of first aid measures****General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

	continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a doctor if necessary.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a doctor.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a doctor.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

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

**Symptoms** None known.

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

**Note to doctors** Treat symptomatically.

## 5. FIREFIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	No information available.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	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**

<b>Personal precautions</b>	Ensure adequate ventilation.
<b>Other Information</b>	Refer to protective measures listed in sections 7 and 8.

**Environmental precautions**

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

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

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Pick up and transfer to properly labelled containers.
<b>Prevention of secondary hazards</b>	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. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Wash hands before breaks and after work.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store locked up. Do not store below freezing or at temperatures above 40°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

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

### Appropriate engineering controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

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

**Eye/face protection** Tight sealing safety goggles. If necessary, refer to appropriate regulations and standards.

**Hand protection** Wear suitable gloves. If necessary, refer to appropriate regulations and standards.

**Skin and body protection** Wear suitable protective clothing. If necessary, refer to appropriate regulations and standards.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Light ivory liquid
<b>Colour</b>	Characteristic
<b>Odour</b>	Light ivory
<b>Odour Threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	3.6-4.6	
Melting point / freezing point	No data available	

<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point</b>	>100
<b>Evaporation Rate</b>	Not determined
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable
<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>	No data available
<b>Relative Density</b>	0.93-1.03
<b>Water Solubility</b>	Not determined
<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>	Not determined
<b>Explosive properties</b>	Not determined.
<b>Oxidising properties</b>	Not determined.
<b><u>Other information</u></b>	
<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>	None known based on information supplied.
<b>Incompatible materials</b>	None known based on information supplied.
<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>	Avoid contact with skin.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Do not ingest.

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

**Symptoms** Please see section 4 of this SDS for symptoms.

**Acute toxicity**

**ATEmix (oral)** >2000  
**ATEmix (inhalation-dust/mist)** >5.07

**Unknown acute toxicity** No information available

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Pinoxaden 243973-20-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	= 5.22 mg/L ( Rat ) 4 h
Mefenpyr-diethyl 135590-91-9	-	> 4000 mg/kg ( Rat )	> 1.32 mg/L ( Rat ) 4 h
Thiocarbazono-methyl 317815-83-1	> 2000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 2017.5 mg/m <sup>3</sup> ( Rat ) 4 h

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

**Respiratory or skin sensitisation** May cause an allergic skin reaction.

**Reproductive toxicity** May damage fertility or the unborn child.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

**Persistence/Degradability** No information available.

**Bioaccumulation** No information available.

**Component Information**

Chemical name	Partition coefficient
Mefenpyr-diethyl 135590-91-9	3.83

**Other adverse effects** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## 14. TRANSPORT INFORMATION

**Note** 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. (Pinoxaden, Thien carbazole-methyl)  
 Transport hazard class(es) 9  
 Packing Group III

**TDG**

UN/ID No UN3082  
 Proper Shipping Name Environmentally Hazardous Substance, Liquid, n.o.s. (Pinoxaden, Thien carbazole-methyl)  
 Transport hazard class(es) 9  
 Packing Group III

**MEX**

UN/ID No UN3082  
 Proper Shipping Name Environmentally Hazardous Substance, Liquid, n.o.s. (Pinoxaden, Thien carbazole-methyl)  
 Transport hazard class(es) 9  
 Packing Group III

**IATA**

UN number or ID number UN3082  
 Proper Shipping Name Environmentally Hazardous Substance, Liquid, n.o.s. (Pinoxaden, Thien carbazole-methyl)  
 Transport hazard class(es) 9  
 Packing group III

**IMDG**

UN number or ID number UN3082  
 Proper Shipping Name Environmentally Hazardous Substance, Liquid, n.o.s. (Pinoxaden, Thien carbazole-methyl)  
 Transport hazard class(es) 9  
 Packing Group III

<b>15. REGULATORY INFORMATION</b>
-----------------------------------

**REGULATORY INFORMATION****International Regulations**

Ozone-depleting substances (ODS) Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

**International Inventories**

Chemical name	TSCA	DSL/NDL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AIIC
Pinoxaden	X							
Mefenpyr-diethyl	X							

Thiocarbazone-methyl	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

<b>16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION</b>
--

**NFPA**  
**HMIS**

Health hazards -  
Health hazards -

Flammability -  
Flammability -

Instability -  
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: 21-Jan-2025

Revision Note: Update.

**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**