



# Safety Data Sheet (SDS)

Issue Date: 01-Dec-2019

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Version 4

## 1. IDENTIFICATION

### Product identifier

Product Name **Sombrero 600 FS**

### Other means of identification

SDS # ADAMA-277

Registration Number: 30505 (*Pest Control Products Act*)

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

Recommended Use Insecticide

### 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 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 pest control product registered by Health Canada's Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act (PCPA). 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 Opaque white liquid

Physical state Liquid

Odor Faint chemical odor

### Hazard Classification(s)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation	Category 4

### Hazard Pictogram(s)



### Signal Word

**WARNING**

### Hazard statements

H302 - Harmful if swallowed  
H332 - Harmful if inhaled

**Precautionary Statements - Prevention**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P271 - Use only outdoors or in a well-ventilated area  
 P265 - Wash face, hands and any exposed skin thoroughly after handling  
 P270 - Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P312 - Call a poison center or doctor/physician if you feel unwell  
 P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 P330 - Rinse mouth

**Precautionary Statements - Disposal**

P501 - Dispose of contents/container to an approved waste disposal plant

**Other hazards**

H410 - Very toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight %
Imidacloprid	138261-41-3	48.4
Glycerol	56-81-5	8.1

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>General Advice</b>	Take the container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.
<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Take off contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	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.
<b>Ingestion</b>	Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

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

<b>Symptoms</b>	May cause eye irritation. Harmful if swallowed. Harmful if inhaled.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	There is no specific antidote. Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray (fog).

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Not determined.

**Hazardous combustion products:** Chloride compounds. Hydrogen chloride. Nitrogen oxides (NO<sub>x</sub>). Carbon monoxide. Hydrogen cyanide.

### 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** Wear protective clothing as described in Section 8 of this safety data sheet. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Avoid creating dust.

### Environmental precautions

**Environmental precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Dike far ahead of spill; use dry sand to contain the flow of material.

**Methods for Clean-Up** Sweep up with a minimum of dusting. Pick up and transfer to properly labeled containers. Wash area with soap and water. Absorb rinsate with appropriate absorbent and transfer this material to a properly labeled container for disposal.

## 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. Avoid breathing dust or fume. Use personal protection recommended in Section 8. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash face, hands and any exposed skin thoroughly after handling. Open and handle container with care. Avoid spilling. Do not contaminate water, food or feed by storage, disposal or by cleaning equipment. Do not eat, drink, smoke, or apply cosmetics while handling this product.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** This product must be stored above 5°C. Do not contaminate other pesticides, fertilizers, water, food or feed by storage, disposal or cleaning activities. Store in original container and out of the reach of children, preferably in a locked storage area. Keep container tightly closed and store in a cool (>5°C), dry and well-ventilated place out of direct sunlight.

**Packaging Materials** Exposure to moisture or excessive handling of water soluble packets may cause breakage.

**Incompatible Materials** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerol 56-81-5	-	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	-

### Appropriate engineering controls

#### Engineering Controls

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

Use splash goggles or face shield when contact may occur.

#### Skin and Body Protection

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Viton or other impervious gloves are required. Long sleeve shirt, trousers, and safety shoes.

#### Respiratory Protection

Ensure adequate ventilation, especially in confined areas. Wear an appropriate NIOSH/MSHA approved respirator if ventilation is inadequate.

**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

<b>Physical state</b>	Liquid	<b>Odor</b>	Faint chemical odor
<b>Appearance</b>	Opaque white liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	White		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	7.08		
<b>Melting point / freezing point</b>	Not determined		
<b>Boiling point / boiling range</b>	Not determined		
<b>Flash point</b>	>79°C		
<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>	Not determined		
<b>Lower flammability or explosive limits</b>	Not determined		
<b>Vapor Pressure</b>	Not determined		
<b>Vapor Density</b>	Not determined		
<b>Relative Density</b>	1.2345 g/mL		
<b>Water Solubility</b>	dispersible		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Autoignition temperature</b>	Not determined		
<b>Decomposition temperature</b>	Not determined		
<b>Kinematic viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Not determined		
<b>Oxidizing Properties</b>	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.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

See Sec. 7 Handling & Storage.

### Incompatible materials

None known.

### Hazardous decomposition products

Hydrogen chloride. Nitrogen oxides (NOx). Hydrogen cyanide. Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Harmful by inhalation.
<b>Ingestion</b>	Harmful if swallowed.

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Imidacloprid 138261-41-3	= 410 mg/kg (Rat)	-	> 69 mg/m <sup>3</sup> (Rat) 4 h > 5323 mg/m <sup>3</sup> (Rat) 4 h
Glycerol 56-81-5	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m <sup>3</sup> (Rat) 1 h

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

**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.

Chemical name	ACGIH	IARC	NTP	OSHA
Imidacloprid 138261-41-3		Group 2A		X

### Numerical measures of toxicity

**Acute Oral LD50 (Rat):** 500 mg/kg (male) 825 mg/kg (female)

**Acute Dermal LD50 (Rabbit):** >2,000 mg/kg

**Acute Inhalation LC50 (Rat):** 2.5 mg/kg (male) 1.02-2.02 mg/kg (female)

**Eye Irritation:** Minimally irritating

**Dermal Irritation:** Slightly irritating

**Dermal Sensitization:** Not a skin sensitizer

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. This product is highly toxic to aquatic invertebrates. Apply this product only in accordance with this label.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Glycerol 56-81-5		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	500: 24 h Daphnia magna mg/L EC50

### Persistence/Degradability

Not determined.

### Bioaccumulation

There is no data for this product.

### Mobility

Chemical name	Partition coefficient
Glycerol 56-81-5	-1.76

### 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

**DOT** Not regulated

### IATA

**UN number** UN3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s. (Imidacloprid)  
**Transport hazard class(es)** 9  
**Packing Group** III  
**Description** Yes

### IMDG

**UN number** UN3082  
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s. (Imidacloprid)  
**Transport hazard class(es)** 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 road or railway vehicle.

## 15. REGULATORY INFORMATION

### International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Imidacloprid			X		X		X	
Glycerol	X	X	X	X	X	X	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*

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 has voluntarily been classified according to the WHMIS 2015 standard.

### **Pest Control Products Act Registration Number:** 30505

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 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. The following is the hazard information required on the pest control product label:

#### **PCPA Label Hazard Communications:**

WARNING POISON

READ THE LABEL AND LEAFLET BEFORE USING.

KEEP OUT OF REACH OF CHILDREN

WARNING, CONTAINS THE ALLERGEN SOY

#### **Difference between SDS and pesticide label**

Hazardous Information Elements	PCPA	SDS
Signal Word(s)	Warning Poison	Warning
Pictogram(s)		
Hazard statement(s) Acute toxicity - Oral	Harmful or fatal if swallowed.	H302 Harmful if swallowed
Acute toxicity - Dermal	Harmful if absorbed through skin or inhaled.	Avoid contact with skin
Acute toxicity - Inhalation (Dusts/Mists)		H332 Harmful if inhaled

<b>16. OTHER INFORMATION</b>
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<u><b>NFPA</b></u>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	1	0	None
<u><b>HMIS</b></u>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical hazards</b>	<b>Personal Protection</b>
	2	1	0	See Section 8

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**Revision Note:** Section 13 & 15 revisions

**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**