



SAFETY DATA SHEET

The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Priority HL

Revision date 27-Nov-2025

Version 2 Supersedes Date:

17-Sep-2025

Product Code(s) HRB05508-1

Print Date 27-Nov-2025

ADM.02850.H.2.B 9512369

1. Identification

Product identifier

Product Name Priority HL

Other means of identification

Document ADAMA-360-CA

Synonyms None

Registration Number(s) 35140

Recommended use of the chemical and restrictions on use

Recommended use Herbicide

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier 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. Hazard(s) 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).

Classification

This product is not considered hazardous in accordance with the Canadian Workplace Hazardous Material Information System (WHMIS 2015)

Label elements

Hazard statements

This product is not considered hazardous in accordance with the Canadian Workplace Hazardous Material Information System (WHMIS 2015)

Precautionary Statements - General

Keep out of reach of children

Other information

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients**Substance**

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	INTERNATIONAL GHS CLASSIFICATION
Florasulam	145701-23-1	16-20	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
3-hydroxy-3-carboxy-1,5-pentanedioic acid	77-92-9	< 2	Eye Irrit. Cat 2 - (H319)

4. First-aid measures**Description of first aid measures**

General advice	First aider: Pay attention to self-protection. IF exposed or concerned: Get medical advice/attention.
Inhalation	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.
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. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
Ingestion	Immediate medical attention is required. Call a poison control center or doctor for treatment advice. Never give anything by mouth to an unconscious person.
Self-protection of the first aider	Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms	None known.
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Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

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

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical No information available.

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.

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 labeled containers.

7. Handling and storage**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Store above 0°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 Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

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.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Appearance			
Physical state	: liquid		
Color	: white		
Odor	: No information available		
Odor threshold	: No data available		
pH	: 5.3 - 6.3		
Melting point / freezing point °C	: No data available		
Boiling point / boiling range °C	: No data available		
Flash point °C	: No data available		
Evaporation rate	: No data available		
Flammability (solid, gas)	: Not applicable		
Upper/lower flammability or explosive limits	: No data available		
Vapor pressure kPa	: No data available		
Vapor density	: No data available		
Relative density	: 1.03 - 1.13		
Solubility(ies) mg/l	: No data available		
Partition coefficient Log Pow	:		See Section 12 for additional Ecological Information
Autoignition temperature °C	: No data available		
Decomposition temperature °C	: No data available		
Kinematic viscosity mm ² /s 40 °C	: 466 - 8666		
Explosive properties	: Not an explosive		
Oxidizing properties	: No data available		
Surface tension	: No data available		
Particle Size	: Not applicable		
Other information			
Bulk density g/ml	: Not applicable		

10. Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable under normal 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.

Information on toxicological effects**Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: No data available			
Dermal LD50 mg/kg	: No data available			
Inhalation LC50 LC50	: No data available			
Skin corrosion/irritation	: No data available			
Serious eye damage/eye irritation	: No data available			
Sensitization	: No data available			

Chronic toxicity**Germ cell mutagenicity****Chemical name**

Florasulam : Not classified

Carcinogenicity**Chemical name**

Florasulam : Not Carcinogenic

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

Reproductive toxicity**Chemical name**

Florasulam : Not toxic for the reproductive system

STOT - Single Exposure**Chemical name**

Florasulam : Not classified

STOT - Repeated Exposure**Chemical name**

Florasulam : Not classified

Aspiration hazard**Chemical name**

Florasulam : Not classified

Ecotoxicity

Aquatic toxicity**Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish 96-hour LC50 mg/l	: No data available			
Crustacea 48-hour EC50 mg/l	: No data available			
Algae 72-hour EC50 mg/l	: No data available			
Other plants EC50 mg/l	: No data available			

Chronic aquatic toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish NOEC mg/l	: No data available			
Crustacea NOEC mg/l	: No data available			
Algae NOEC mg/l	: No data available			
Other plants NOEC mg/l	: No data available			

Terrestrial Toxicity**Birds Oral LD50 mg/kg**

Chemical name				
Florasulam	: 1046	C. coturnix	FIFRA 71-1	

Bees Oral LD50 µg/bee

Chemical name				
Florasulam	: > 100		FIFRA 141-1; EPPO 170	

Abiotic Degradation**Water DT50 days**

Chemical name				
Florasulam	: 98 - 100			pH 9, 25 °C

Soil DT50 days

Chemical name				
Florasulam	: 0.7 - 4.5			aerobic 20 °C

Biodegradation

Chemical name				
Florasulam	: Not readily biodegradable			

Log Pow

Chemical name	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Florasulam	: -1.22		pH 7

Bioconcentration factor (BCF)

Chemical name				
Florasulam	: 0.8 - 2.2			

Adsorption/Desorption

Chemical name	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Florasulam	: 4 - 54		KOC

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

TDG

UN/ID no	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Florasulam)
Hazard class	9
Packing group	III
Special Provisions	16, 99
Marine pollutant	Florasulam.
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Florasulam), 9, III
Note	Section 1.45.1 of the TDG Regulation provides an exemption from documentation and safety marks for this product when transported by road or railway vehicle in non-bulk containers.

DOT

UN/ID no	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Florasulam)
Hazard class	9
Packing group	III
Special Provisions	8, 146, 173, 335, 441, IB3, T4, TP1, TP29
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Florasulam), 9, III, Marine pollutant
Emergency Response Guide Number	171

IATA

UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Florasulam)
Transport hazard class(es)	9
Packing group	III
ERG Code	9L
Special Provisions	A97, A158, A197, A215
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Florasulam), 9, III

IMDG

UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Florasulam)
Hazard Class	9
Packing group	III
EmS-No	F-A, S-F
Special Provisions	274, 335, 969
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Florasulam), 9, III, Marine pollutant



15. Regulatory information

The laws, regulations and standards listed below have requirements on the management of this product:

International Regulations

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

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

Registration Number Pest Control Product Reg. No. 35140

Pest Control Product Statement This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. Read the label before using or handling the pest control product. These label 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: CAUTION, POISON

Difference between SDS and product label

	PCPA Product Label	GHS SDS
Signal word	CAUTION, POISON	None
Acute toxicity - Inhalation	Harmful if inhaled	NA

16. Other information

NFPA	Health hazards 0	Flammability 1	Instability 0	Physical and chemical properties -
HMIS	Health hazards 0	Flammability 1	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AELG(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 27-Nov-2025

Revision Note No information available.

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