



SAFETY DATA SHEET

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

Safacyn

Revision date 30-Jun-2026

Version 2 Supersedes Date: 16-Apr-2026

Product Code(s) HRB05533-1

Print Date 30-Jun-2026

ADM.O8650.H.1.C 9515332

1. Identification

Product identifier

Product Name Safacyn

Other means of identification

Synonyms Saflufenacil 160 SL

Registration Number(s) 36039

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

Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Reproductive toxicity	Category 2

Label elements

Signal word: Danger

Hazard statements

Causes serious eye damage
 May cause an allergic skin reaction
 Suspected of damaging fertility or the unborn child

**Precautionary Statements - General**

Keep out of reach of children

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
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace

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
 Immediately call a POISON CENTER or doctor
 IF ON SKIN: Wash with plenty of water and soap
 If skin irritation or rash occurs: Get medical advice/attention
 P333 + P317 - If skin irritation or rash occurs, get medical help
 Take off contaminated clothing and wash it before reuse

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

May be harmful if swallowed. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture**Synonyms**

Saflufenacil 160 SL.

Chemical name	CAS No.	Weight-%	INTERNATIONAL GHS CLASSIFICATION
Pentanoic acid, 5-(dimethylamino)-2-methyl-5-oxo-, methyl ester	1174627-68-9	42-47	Eye irrit. 2 (H319)
Triisopropanolamine	122-20-3	18-23	Eye Irrit. 1 (H318) Acute Tox. 5 (oral) (H303)
Amines, coco alkyl, ethoxylated	61791-14-8	15-19	Acute Tox. 4 (H302)

(5-8 EO)			Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)
Saflufenacil	372137-35-4	13-17	Skin Sens. 1 (H317) Repr. 2 (H361) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

4. First-aid measures

Description of first aid measures

General advice	First aider: Pay attention to self-protection.
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. Get medical attention immediately if symptoms occur.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
Ingestion	Rinse mouth. Drink plenty of water. Get medical attention immediately if symptoms occur.
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.
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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	Product is or contains a sensitizer. May cause sensitization by skin contact.
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 protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information Refer to protective measures listed in Sections 7 and 8.

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. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Store above -18°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 Tight sealing safety goggles.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

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 Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. 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

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Appearance			
Physical state	: Liquid		
Color	: Yellowish to amber		
Odor	: characteristic		
Odor threshold	: No data available		
pH	: 7 - 10	CIPAC MT 75.3	solution (1%)
Melting point / freezing point °C	: No data available		
Boiling point / boiling range °C	: No data available		
Flash point °C	: > 100	EC A.9	
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	: 1.06 - 1.1	OECD 109	
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	: Not applicable		
Explosive properties	: Not an explosive		
Oxidizing properties	: Not oxidizing	EPA-OPPTS 830.6314	
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

Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Not an expected route of exposure
Eye contact	Causes serious eye damage
Skin contact	May cause an allergic skin reaction
Ingestion	May be harmful if swallowed

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	None known
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Information on toxicological effects

Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: > 2000	Rat	OECD 423	
Dermal LD50 mg/kg	: >2000	Rat	OECD 402	
Inhalation LC50 LC50 (4 hr)	: > 5.48	Rat	OECD 403	
Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation	: Severely irritating to eyes	Rabbit	OECD 405	
Sensitization	: Skin sensitizer	Mouse	OECD 429	

Chronic toxicity

Germ cell mutagenicity

Chemical name	
Saflufenacil	: Not classified

Carcinogenicity

Chemical name	.
Saflufenacil	: Not classified

Reproductive toxicity .

Chemical name	
Saflufenacil	: H361 - Suspected of damaging fertility or the unborn child

STOT - Single Exposure

Chemical name	
Saflufenacil	: Not classified

STOT - Repeated Exposure

Chemical name	
Saflufenacil	: Not classified

Aspiration hazard

Chemical name	
Saflufenacil	: Not classified

12. Ecological information

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	:			

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	
Saflufenacil	: > 2000

Bees Oral LD50 µg/bee

Chemical name	
Saflufenacil	: > 100

Abiotic Degradation**Water DT50 days**

Chemical name	
Saflufenacil	: 248

Soil DT50 days

Chemical name		
Saflufenacil	: 8.6 - 26	25 °C

Biodegradation

Log Pow	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Chemical name			
Saflufenacil	: 1.95		

Bioconcentration factor (BCF)

Chemical name	
Saflufenacil	: 3.91

Adsorption/Desorption

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Chemical name			
Saflufenacil	: 9 - 56		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. (Amines, coco alkyl, ethoxylated (5-8 EO), Saflufenacil)
Hazard class	9
Packing group	III
Special Provisions	16, 99
Marine pollutant	Yes.
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Amines, coco alkyl, ethoxylated (5-8 EO), Saflufenacil), 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. (Amines, coco alkyl, ethoxylated (5-8 EO), Saflufenacil)
Hazard class	9
Packing group	III
Special Provisions	8, 146, 173, 335, 441, IB3, T4, TP1, TP29
Marine pollutant	Yes.
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Amines, coco alkyl, ethoxylated (5-8 EO), Saflufenacil), 9, III, Marine pollutant
Emergency Response Guide Number	171

IATA

UN number or ID number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Amines, coco alkyl, ethoxylated (5-8 EO), Saflufenacil)
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. (Amines, coco alkyl, ethoxylated (5-8 EO), Saflufenacil), 9, III

IMDG

UN number or ID number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Amines, coco alkyl, ethoxylated (5-8 EO), Saflufenacil)
Transport hazard class(es)	9
Packing group	III
EmS-No	F-A, S-F
Special Provisions	274, 335, 969
Marine pollutant	P
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Amines, coco alkyl, ethoxylated (5-8 EO), Saflufenacil), 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. 36039**

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:

Difference between SDS and product label

16. Other information

<u>NFPA</u>	Health hazards 3	Flammability 1	Instability 0	Physical and chemical properties -
<u>HMIS</u>	Health hazards 3 *	Flammability 1	Physical hazards 0	Personal protection X
<i>Chronic Hazard Star Legend</i> * = Chronic Health Hazard				

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

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

U.S. 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)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

Revision date 30-Jun-2026

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