



SAFETY DATA SHEET

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

Involve 50 WDG

Revision date 30-Mar-2026

Version 1 Supersedes Date:

31-Mar-2026

Product Code(s) HRB05572-1

Print Date 31-Mar-2026 9515006

1. Identification

Product identifier

Product Name Involve 50 WDG

Other means of identification

Document ADAMA-312

Synonyms Tribenuron-methyl 500 WG

Registration Number(s) 33852

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

Specific target organ toxicity (repeated exposure)

Category 2

Label elements

Signal word: Warning

Hazard statements

May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements - General**

Keep out of reach of children

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

Get medical advice/attention if you feel unwell

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

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

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Synonyms Tribenuron-methyl 500 WG.

Chemical name	CAS No.	Weight-%	INTERNATIONAL GHS CLASSIFICATION
Tribenuron-methyl	101200-48-0	47-53	Skin Sens. 1 (H317) STOT RE (H373) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Reaction product of naphthalene, propan-2-ol, sulfonated and neutralized by caustic soda	-	8-12	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Eye Dam. 1 (H318) STOT SE 3 (H335)
Alkyl naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	68425-94-5	3-6	Eye Irrit. 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. 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	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.

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 protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.
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 Avoid generation of dust. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

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.

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	: Solid		
Color	: Off-white		
Odor	: characteristic		
Odor threshold	: No data available		
pH	: 4.6 - 5.6	CIPAC MT 75.3	
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 highly flammable	EEC A.10
Upper/lower flammability or explosive limits	:	No data available	
Vapor pressure kPa	:	No data available	
Vapor density	:	No data available	
Relative density	:	No data available	
Solubility(ies) mg/l	:	No data available	
Partition coefficient Log Pow	:		See Section 12 for additional Ecological Information
Autoignition temperature °C	:	376	EEC A.16
Decomposition temperature °C	:	No data available	
Kinematic viscosity mm ² /s 40 °C	:	Not applicable	
Explosive properties	:	Not an explosive	
Oxidizing properties	:	Not oxidizing	
Surface tension	:	No data available	
Particle Size	:	< 10 %: 0.96 µm; > 90 %: 9.9 µm	

Other information

Bulk density g/L : 499 - 531 CIPAC MT 186

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.

11. Toxicological information**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)	: > 5.4	Rat	OECD 403	Maximum attainable concentration
Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation	: Not irritating to eyes	Rabbit	OECD 405	
Sensitization	: Not a skin sensitizer	Guinea pig	OECD 406	

Chronic toxicity**Germ cell mutagenicity**

Chemical name

Tribenuron-methyl : Not classified

Carcinogenicity**Chemical name**

Tribenuron-methyl : Not Carcinogenic

Reproductive toxicity**Chemical name**

Tribenuron-methyl : Not toxic for the reproductive system

STOT - Single Exposure**Chemical name**

Tribenuron-methyl : Not classified

STOT - Repeated Exposure**Chemical name**

Tribenuron-methyl : H373 - May cause damage to organs through prolonged or repeated exposure

Aspiration hazard**Chemical name**

Tribenuron-methyl : 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	: > 100	Oncorhynchus mykiss	OECD 203	
Crustacea 48-hour EC50 mg/L	: > 100	Daphnia magna	OECD 202	
Algae 72-hour EC50 mg/L	: 0.282	P. subcapitata	OECD 201	
Other plants EC50 mg/l	: 0.0045	Lemna gibba	OECD 221	7 days

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**

Tribenuron-methyl : > 2250 Bobwhite quail EPA-FIFRA 71-1

Bees Oral LD50 µg/bee**Chemical name**

Tribenuron-methyl : > 9.1 Apis mellifera EPPO 170 Oral

Abiotic Degradation**Water DT50 days****Chemical name**

Tribenuron-methyl : 18.2

Soil DT50 days**Chemical name**

Tribenuron-methyl : 5.4 pH <7

Biodegradation**Chemical name**

Tribenuron-methyl : Not readily biodegradable

Log Pow**Chemical name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Tribenuron-methyl	: 0.38	EEC A.8	

Bioconcentration factor (BCF)**Chemical name**

Tribenuron-methyl : log Pow <3

Adsorption/Desorption**Chemical name**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Tribenuron-methyl	: 38.9		KOC pH<7

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	UN3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s. (Tribenuron-methyl)
Hazard class	9
Packing group	III
Special Provisions	16, 99
Marine pollutant	Yes.
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Tribenuron-methyl), 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	UN3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s. (Tribenuron-methyl)
Hazard class	9
Packing group	III
Special Provisions	8, 146, 335, 384, 441, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33
Marine pollutant	Yes.
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Tribenuron-methyl), 9, III, Marine pollutant
Emergency Response Guide Number	171

IATA

UN number or ID number	UN3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s. (Tribenuron-methyl)
Transport hazard class(es)	9
Packing group	III

ERG Code 9L
Special Provisions A97, A158, A179, A197, A215
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Tribenuron-methyl), 9, III

IMDG

UN number or ID number UN3077
UN proper shipping name Environmentally hazardous substance, solid, n.o.s. (Tribenuron-methyl)
Transport hazard class(es) 9
Packing group III
EmS-No F-A, S-F
Special Provisions 274, 335, 375, 966, 967, 969
Marine pollutant P
Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Tribenuron-methyl), 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/NDL 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/NDL - 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. 33852

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

	PCPA Product Label	GHS SDS
Signal word	WARNING	Warning
Acute toxicity - Oral	Harmful if swallowed	None
Acute toxicity - Dermal	Harmful if absorbed through skin	None
Acute toxicity - Inhalation	Harmful if inhaled	None
Skin irritation	May irritate skin	None
Eye irritation	Eye irritant	None
Skin sensitization	Potential skin sensitizer	None
STOT - repeated exposure	NA	May cause damage to organs through prolonged or repeated exposure

16. Other information

<u>NFPA</u>	Health hazards 0	Flammability 1	Instability 0	Physical and chemical properties -
<u>HMIS</u>	Health hazards 1*	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

- 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) (AEGl(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)

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

Classification of the mixture	Classification procedure
H373 - May cause damage to organs through prolonged or repeated exposure	Classification based on Calculation method

Revision date 30-Mar-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