



Safety Data Sheet

This safety data sheet was created pursuant to the requirements of:
Canada Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), as
amended

Issuing Date 23-Jan-2026

Revision Date: 02-Feb-2026

Version 2

1. Identification

Product identifier

Product Name SORADUO ALL IN

Other means of identification

SDS # ADAMA-393-CA

UN/ID No UN3082

Synonyms PROTHIOCONAZOLE: 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (CAS name); 2-[(2RS)-2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2H-1,2,4-triazole-3(4H)-thione (IUPAC name)TEBUCONAZOLE: (±)- α -[2-(4-chlorophenyl)ethyl]- α -(1,1-dimethylethyl)-1H-1,2,4-triazole-1- ethanol (CAS name); (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol (IUPAC na

Registration Number(s) 35796

Recommended use of the chemical and restrictions on use

Recommended use Fungicide

Restrictions on Use No information available

Details of the supplier of the safety data sheet

Initial supplier identifier

ADAMA Agricultural Solutions Canada Ltd. No information available
300-191 Lombard Avenue
Winnipeg, Manitoba R3B 0X1
1-855-264-6262

Manufacturer Address

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

Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Category 3 Target organ effects: Respiratory irritation.	

Label elements**Warning****Hazard statements**

Causes skin irritation.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.
May cause respiratory irritation. May cause drowsiness or dizziness.

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 and face protection.
Wash face, hands and any exposed skin thoroughly after handling.
Avoid breathing dust, fume, gas, mist, vapors and spray.
Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice and attention.

Skin

IF ON SKIN: Wash with plenty of water and soap.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice and attention.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor if you feel unwell.

Precautionary Statements - Storage

Store locked up.
Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

Other Information

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

3. Composition/information on ingredients

Substance

Not applicable.

Mixture**Synonyms**

PROTHIOCONAZOLE: 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (CAS name); 2-[(2RS)-2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2H-1,2,4-triazole-3(4H)-thione (IUPAC name)TEBUCONAZOLE: (±)- α -[2-(4-chlorophenyl)ethyl]- α -(1,1-dimethylethyl)-1H-1,2,4-triazole-1- ethanol (CAS name); (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol (IUPAC na.

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
N,N-Dimethyl decanamide	14433-76-2	45-70	-	-
Tebuconazole	107534-96-3	7-13	-	-
Prothioconazole	178928-70-6	7-13	-	-

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

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Erythema (skin redness). May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Effects of Exposure

May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility.

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.

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 and precautions 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. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.

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 Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Prevention of secondary hazards 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. Take off contaminated clothing and wash before reuse. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. 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, contains materials that do not have reportable occupational exposure limits or are not subject to the reporting requirements of the local jurisdiction.

Appropriate engineering controls

Engineering controls Showers

Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved 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. Use appropriate respiratory protection. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Colour	Light brown to tan
Odour	Slight odor

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flammability (Solid, Gas)		
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	>148	
Autoignition temperature	No data available	
Decomposition temperature SADT (°C)	No data available	
pH	5-7 (1% solution)	
pH (as aqueous solution)	No data available	
Kinematic Viscosity	No data available	
Dynamic viscosity	No data available	
Water solubility	No data available	
Solubility(ies)	No data available	
Partition Coefficient (n-octanol/water)	No data available	
Vapour Pressure	No data available	
Relative Density	No data available	
Bulk Density	No data available	
Liquid Density	0.9-1.1 g/cm ³ (20°C)	
Relative vapor density	No data available	
Particle characteristics		
Particle Size	No data available	
Particle Size Distribution	No data available	

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	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Erythema (skin redness). May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
-----------------	---

Acute toxicity	No information available.
-----------------------	---------------------------

Numerical measures of toxicity	No information available
---------------------------------------	--------------------------

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
N,N-Dimethyl decanamide	-	> 5000 mg/kg (Rat)	> 3550.7 mg/m ³ (Rat) 4 h
Tebuconazole	= 3352 mg/kg (Rat)	> 5000 mg/kg (Rat)	> 371 mg/m ³ (Rat) 4 h > 5093 mg/m ³ (Rat) 4 h
Prothioconazole	> 6200 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5 mg/L (Rat) 4 h

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

Skin corrosion/irritation	Classification based on data available for ingredients. Causes skin irritation.
----------------------------------	---

Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.
--	--

Respiratory or skin sensitization	Not classified.
--	-----------------

Germ cell mutagenicity	Not classified.
-------------------------------	-----------------

Carcinogenicity	Not classified.
------------------------	-----------------

Reproductive toxicity	Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.
------------------------------	--

STOT - single exposure	May cause respiratory irritation.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

12. Ecological information

Ecotoxicity	Very toxic to aquatic life with long lasting effects.
Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.
Other adverse effects	No information available.

13. Disposal considerations

Disposal 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
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. UN/ID No UN3082 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole, Prothioconazole solution) Transport hazard class(es) 9 Packing Group III Marine pollutant name Yes.
DOT	NOT REGULATED if shipped in NON BULK packaging (single containers less than 119 gal/ 882 lbs) by ground transport BULK Packaging (single containers larger than 119 gal/ 882 lbs): UN/ID No UN3082 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole, Prothioconazole solution) Transport hazard class(es) 9 Packing Group III Marine pollutant Yes
IATA	UN number or ID number UN3082 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole, Prothioconazole

Transport hazard class(es) 9
Packing group III
Environmental hazard This material ships as a marine pollutant when inner packagings exceed 5L/5KG

IMDG

UN number or ID number UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole, Prothioconazole solution)
Transport hazard class(es) 9
Packing Group III

15. Regulatory information**REGULATORY INFORMATION****International Regulations**

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC
N,N-Dimethyl decanamide	X	X	X	X	X
Prothioconazole	X				
Tebuconazole	X			X	X

Chemical name	KECL	PICCS	AIIC	NZIoC	TCSI
N,N-Dimethyl decanamide	X		X	Does not have an individual approval but may be used under an appropriate group standard	X
Prothioconazole				Does not have an individual approval but may be used as a component in a product covered by a group standard. It is not approved for use as a chemical in its own right.	X
Tebuconazole	X	X		Approved with controls	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

AIIC - Australian Inventory of Industrial Chemicals

NZIoC - New Zealand Inventory of Chemicals

TCSI - Taiwan Chemical Substance Inventory

16. Other information

NFPA HMIS	Health hazards - Health hazards -	Flammability - Flammability -	Instability - Physical hazards -	Special hazards - Personal protection -
--------------	--------------------------------------	----------------------------------	-------------------------------------	--

Key or legend to abbreviations and acronyms used in the safety data sheet

List may include phrases which are not applicable to this product

ACGIH	American Conference of Governmental Industrial Hygienists			
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)			
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)			
AIIC	Australian Inventory of Industrial Chemicals			
ATE	Acute Toxicity Estimate			
ASTM	American Society for the Testing of Materials			
bar	Biological Reference Values for Chemical Compounds in the Work Area			
BAT	Biological tolerance values for occupational exposure			
BEL	Biological exposure limits			
bw	Body weight			
Ceiling	Maximum limit value			
CMR Effects	Carcinogen, Mutagen or Reproductive Toxicant			
DOT	Department of Transportation (United States)			
DSL	Domestic Substances List (Canada)			
EmS	Emergency Schedule			
ENCS	Existing and New Chemical Substances (Japan)			
EPA	U.S. Environmental Protection Agency			
GHS	Globally Harmonized System			
HMIS	Hazardous Materials Identification System			
IARC	International Agency for Research on Cancer			
IATA	International Air Transport Association			
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk			
ICAO	International Civil Aviation Organization			
IECSC	China (IECSC)			
IMDG	International Maritime Dangerous Goods			
IMO	International Maritime Organization			
ISO	International Organization for Standardization			
KECL	Korean Existing Chemicals Inventory			
LC50	Lethal Concentration to 50% of a test population			
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)			
MARPOL	International Convention for the Prevention of Pollution from Ships			
NFPA	National Fire Protection Association			
n.o.s.	Not Otherwise Specified			
NOAEC	No Observed Adverse Effect Concentration			
NOAEL	No Observed Adverse Effect Level			
NOELR	No Observable Effect Loading Rate			
NZIoC	New Zealand Inventory of Chemicals			
OECD	Organization for Economic Cooperation and Development			
OEL	Occupational exposure limits			
PBT	Persistent, Bioaccumulative and Toxic substance			
PICCS	Philippines Inventory of Chemicals and Chemical Substances			
PMT	Persistent, Mobile and Toxic			
PPE	Personal protective equipment			
QSAR	Quantitative Structure Activity Relationship			
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)			
SADT	Self-Accelerating Decomposition Temperature			
SAR	Structure-activity relationship			
SDS	Safety Data Sheet			
SL	Surface Limit			
STEL	Short Term Exposure Limit			
STOT RE	Specific target organ toxicity - Repeated exposure			

STOT SE	Specific target organ toxicity - Single exposure
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitiser
RS	Respiratory Sensitizer
S	Sensitizer
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

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 National Institute of Technology and Evaluation (NITE)

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)

Issuing Date 23-Jan-2026**Revision Date:** 02-Feb-2026**Revision Note:** Section 9 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