



Safety Data Sheet

Preparation Date 15-Dec-2023

Revision date 05-Jun-2024

Revision Number: 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the product

Product Description SHENZI ® 400 SC Insecticide

Other means of identification

Internal SDS code 12-0607CAN

Registration number(s) PMRA # 34974

Recommended use of the chemical and restrictions on use

Recommended use Insecticide.

Uses advised against Activities contrary to label recommendation

Details of the Supplier of the Safety Data Sheet

Supplier Address

UPL Agrosolutions Canada Inc .
PO Box 12219
Research Triangle Park, NC,
27709

Emergency telephone number

Company Phone Number 1-800-438-6071

Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison and Drug Safety (866) 673-6671 (24hrs)

2. Hazards Identification

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Label elements

EMERGENCY OVERVIEW

Appearance suspension **Physical state** Liquid **Odor** No information available

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

- Very toxic to aquatic life

3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
chlorantraniliprole	500008-45-7	40

Propylene Glycol	57-55-6	4.96
1,2-Benzisothiazolin-3-one (Proxel GXL)	2634-33-5	0.0193

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

Eye contact	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	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.
Ingestion	Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Have person sip a glass of water if able to swallow.

Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and Effects	no data available.
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Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician	Treat symptomatically.
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5. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide (CO₂). Dry chemical. Water spray. alcohol-resistant foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous combustion products Carbon monoxide. Hydrogen chloride. Nitrogen oxides (NO_x). Hydrogen fluoride. Hydrogen cyanide.

Explosion data

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid contact with skin and eyes. Wear protective gloves/protective clothing and eye/face protection.
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Environmental Precautions

Environmental precautions	Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Keep material out of lakes, streams, ponds and sewer drains. Dike to confine spill and absorb with an absorbant such as clay, sand or soil.
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Methods and material for containment and cleaning up

Methods for Clean-Up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.
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7. Handling and Storage**Precautions for safe handling**

Handling	Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep out of reach of children.
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Conditions for safe storage, including any incompatibilities

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. Store out of direct sunlight. Protect from freezing.
incompatible materials	No materials to be especially mentioned.

8. Exposure Controls/Personal Protection

Exposure guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering controls	Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.
<u>Personal protective equipment</u>	
Eye/Face Protection	Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. Safety glasses with side-shields.
Skin protection	Wear protective gloves/clothing. Socks and footwear.
Respiratory protection	Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Appearance	suspension
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Physical state	Liquid	
Odor	No information available	
color	Off-white	
<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
pH	6	Approximately
Melting point/freezing point		None known
Boiling Point/Range		None known
Flash Point	> 97 °C	None known
Evaporation Rate		None known
Flammability (solid, gas)		None known
Specific gravity		None known
Bulk density	1.164 - 1.172 g/cm ³ @ 20 C	None known
Water solubility		None known
Solubility in Other Solvents	No information available	
Partition coefficient: n-octanol/water		None known
Autoignition temperature		None known
Decomposition temperature		None known
Viscosity		None known

9.2 OTHER INFORMATION- NONE**10. Stability and Reactivity****Reactivity**

no data available

Chemical stability

Stable under normal conditions. Hazardous polymerisation does not occur.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

No information available.

incompatible materials

No materials to be especially mentioned.

Hazardous decomposition productsNitrogen oxides (NO_x). Carbon monoxide. Thermal decomposition can lead to release of irritating gases and vapours.**11. Toxicological Information****Information on Likely Routes of Exposure**

Product information	SHENZI 400 SC Insecticide Acute oral LD50 >5,000 mg/kg Acute dermal LD50 >2,000 mg/kg Acute inhalation LC50 >1.751 mg/L/4hr (Dust/mist) No deaths
Inhalation	May be harmful if inhaled.
Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation.
Ingestion	MAY BE HARMFUL IF SWALLOWED.

Information on Toxicological Effects

Symptoms No information available.

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

Sensitization No information available.
Mutagenic effects no data available.
Carcinogenicity There are no known carcinogenic chemicals in this product.
Reproductive effects Not Available.
STOT - Single Exposure no data available.
STOT - Repeated Exposure no data available.
Aspiration hazard No information available.

Numerical Measures of Toxicity - See above

12. Ecological Information

ecotoxicity

Chlorantroniliprole
 BIRD Bobwhite quail >2250 mg/kg
 FISH Sheepshead minnow >12 mg/L
 DAPHNIA Daphnia magna 0.0116 mg/L

Persistence/Degradability

Not readily biodegradable.

Bioaccumulation/ Accumulation

Does not bioaccumulate.

Mobility in Environmental Media

May be mobile in the environment.

Chemical name	Log Pow
Propylene Glycol 57-55-6	-1.07
1,2-Benzisothiazolin-3-one (Proxel GXL) 2634-33-5	1.3

Other Adverse Effects

no data available

13. Disposal Considerations

Waste Treatment Methods

Waste Disposal Method Pesticide wastes can be hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated packaging Refer to product label.

14. Transport Information

DOT When shipped domestically by highway in non-bulk containers this product can be shipped

as not regulated.

When shipped in bulk, by vessel, or internationally refer to the IMDG shipping description:

TDG

When shipped in Canada domestic highway non-bulk this product can be shipped as Not regulated as per TDG 1.45.1

In bulk, by vessel or internationally - use IMDG description

IATA

UN/ID no

Proper shipping name

Hazard class

Packing group

Description

Single or inner packagings less than 5L (liquid) or 5kg net (solids) are excepted from the Dangerous Goods regulations (IATA Special provision A197)

UN3082

Environmentally hazardous substances, liquid, n.o.s (Chlorantraniliprole)

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PG III

Marine pollutant

IMDG

UN/ID no

Proper shipping name

Hazard class

Packing group

Environmental hazards

Single or inner packaging less than 5L (liquid) or 5 kg net (solids) are excepted from the Dangerous Goods regulations (IMDG 2.10.2.7)

UN3082

Environmentally hazardous substances, liquid, n.o.s (Chlorantraniliprole)

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PG III

Marine pollutant

15. Regulatory Information

This chemical/product is a pesticide product registered by the PMRA and is subject to specific label requirements under these regulations. The requirements may differ classification and hazard information required for safety data sheets and for labels of non-pesticide products. The following is information as required on the registered product label.

Keep out of Reach of Children. Toxic to aquatic organisms. Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites).

International Inventories

USINV	Not present
DSL/NDSL	Not present
EINECS/ ELINCS	Not Present
ENCS	Not Present
China	Not Present
KECL	Not Present
PICCS	Not Present
AICS	Not Present
TSCA	Not Present

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 Commercial Chemical Substances/EU 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

Federal Regulations

SARA 313

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CERCLA

Not applicable

CERCLA**RCRA****Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
chlorantraniliprole 500008-45-7 (40)			X	
Propylene Glycol 57-55-6 (4.96)			X	
1,2-Benzisothiazolin-3-one (Proxel GXL) 2634-33-5 (0.0193)			X	

State Regulations**State Right-to-Know**

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Propylene Glycol - 57-55-6		X	X		

International regulations**U.S. EPA Label information**

EPA Pesticide registration number PMRA # 34974

16. Other Information**NFPA**

HEALTH 1

flammability 0

Instability 0

Physical hazard -

Preparation Date

15-Dec-2023

Revision date

05-Jun-2024

Revision Summary

Update address Update section 14

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End of SDS