



Safety Data Sheet

Issue Date: 27-Nov-2018

Revision Date: 27-Nov-2018

Version 1

1. IDENTIFICATION

Product identifier

Product Name

QualiPro Propiconazole 14.3 ME

Other means of identification

SDS #

ADAMA-280

Registration Number(s)

Pest Control Product Reg. No. 28797

UN/ID No

UN3082

Recommended use of the chemical and restrictions on use

Recommended Use

Pesticide.

Details of the supplier of the safety data sheet

Manufacturer 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. HAZARDS IDENTIFICATION

This chemical is a product registered by the Canadian Pest Control Products Act 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).

Appearance Clear amber liquid

Physical state Liquid

Odor Slight solvent

Classification

| | |
|-------------------------------------------|------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Skin corrosion/irritation | Category 2 |
| Skin sensitization | Category 1 |

Signal Word

Warning

Hazard statements

Harmful if inhaled
Causes skin irritation
May cause an allergic skin reaction

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Contaminated work clothing must not be allowed out of the workplace
 Wear protective gloves
 Wash hands, face and nay exposed skin thoroughly after handling

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of water and soap
 Wash contaminated clothing before reuse
 If skin irritation or rash occurs: Get medical advice/attention
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a poison center or doctor/physician if you feel unwell

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No | Weight-% |
|-------------------------------------------------------------------------------------------------|------------|----------|
| Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4,-triazole] | 60207-90-1 | 14.3 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

| | |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Advice | Take container, label or product name and pest control product registration number with you when seeking medical attention. |
| Eye Contact | If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Skin Contact | If on skin or clothing, 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 | If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. |
| Ingestion | If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |

Most important symptoms and effects, both acute and delayed

Symptoms Harmful if inhaled. May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Notes to Physician There is no specific antidote for this product. Apply symptomatic therapy.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

No specific hazard known.

Protective equipment and precautions for firefighters

In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.

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.

For Emergency Responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Take up mechanically, placing in appropriate containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Strictly observe all precautions for handling and using this product. Do not contaminate food, feed or water supplies. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Use only with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in original container in a well-ventilated, cool, dry and secure area. Ship and store away from food, feed or seed. Keep containers tightly closed.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No exposure limits noted for ingredient(s).

Appropriate engineering controls

Engineering Controls Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly sealed goggles.

Skin and Body Protection Gloves made of plastic or rubber.

Respiratory Protection Use only with adequate ventilation.

General Hygiene Considerations When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------|-----------------------|----------------|
| Physical state | Liquid | Odor | Slight solvent |
| Appearance | Clear amber liquid | Odor Threshold | Not determined |
| Color | Amber | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|----------------------------------------|-------------------------------------|-------------------------|
| pH | 5.6-6.0 | |
| Melting point / freezing point | Not determined | |
| Boiling point / boiling range | Not determined | |
| Flash point | 92°C /165°F | |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Liquid-Not applicable | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Vapor Pressure | Not determined | |
| Vapor Density | No data available | |
| Relative Density | 1.082 | |
| Water Solubility | Not determined | |
| Solubility in other solvents | See Section 12 for more information | |
| Partition Coefficient | Not determined | |
| Autoignition temperature | Not determined | |
| Decomposition temperature | Not determined | |
| Kinematic viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not an explosive | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity
Not available.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

| | |
|---------------------|--------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Do not inhale. |
| Ingestion | Do not ingest. |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------|---------------------------------------------------------------------------|
| Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4-triazole] 60207-90-1 | = 1517 mg/kg (Rat) | > 4 g/kg (Rat) > 6000 mg/kg (Rabbit) | > 5800 mg/m ³ (Rat) 4 h = 1264 mg/m ³ (Rat) 4 h |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

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

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity**Acute Oral LD50 (Rat):** >3,000 mg/kg**Acute Dermal LD50 (Rabbit):** >2,000 mg/kg**Acute Inhalation LC50 (Rat):** 2.0 mg/L (4-hr)**Eye Irritation:** Slightly irritating.**Dermal Irritation:** Moderately irritating.**Dermal Sensitization:** A skin sensitizer.**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Very toxic to aquatic life with long lasting effects. Acute fish toxicity 96-hour LC50 (Leiostomus xanthurus) : 2.6 mg/l

Crustacea 48-hour EC50 (Daphnia magna): 10.2 mg/l

Birds oral LD50 (Mallard duck): > 2510 mg/kg

Bees oral LD50: > 100 µg/bee.

Persistence/Degradability

Soil DT50 : 29-70 days (propiconazole).

Bioaccumulation

There is no data for this product.

Mobility

Adsorption/Desorption: 382-1789

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Canadian manufacturers should dispose of unwanted active ingredients and containers in accordance with municipal or provincial regulations. For additions details and clean up of spills, contact the manufacturer or the provincial regulatory agency.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**DOT**

| | |
|-----------------------------|---------------------------------------------------------------------|
| UN/ID No | UN3082 |
| Proper Shipping Name | Environmentally hazardous substance, liquid, n.o.s. (Propiconazole) |
| Hazard class | 9 |
| Packing Group | III |
| Marine Pollutant | Yes. |

IATA

| | |
|-----------------------------------|---------------------------------------------------------------------|
| UN number | UN3082 |
| Proper Shipping Name | Environmentally hazardous substance, liquid, n.o.s. (Propiconazole) |
| Transport hazard class(es) | 9 |
| Packing Group | III |
| Marine Pollutant | Yes |

IMDG

| | |
|-----------------------------------|---------------------------------------------------------------------|
| UN number | UN3082 |
| Proper Shipping Name | Environmentally hazardous substance, liquid, n.o.s. (Propiconazole) |
| Transport hazard class(es) | 9 |
| Packing Group | III |
| Marine Pollutant | Yes |

TDG

| | |
|-----------------------------|---------------------------------------------------------------------|
| UN/ID No | UN3082 |
| Proper Shipping Name | Environmentally hazardous substance, liquid, n.o.s. (Propiconazole) |
| Hazard class | 9 |
| Packing Group | III |
| Marine Pollutant | Yes |

15. REGULATORY INFORMATION

International Inventories

| Chemical name | TSCA | DSL/NDSL | EINECS/E LINCS | ENCS | IECSC | KECL | PICCS | AICS |
|------------------------------------------------------------------------------------------------|------|----------|-------------------|------|-------|------|-------|------|
| Propiconazole [1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]-methyl-1H-1,2,4-triazole] | X | | X | X | | | X | 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

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

Not applicable

CWA (Clean Water Act)

Not applicable

US State Regulations

California Proposition 65

Not applicable

U.S. State Right-to-Know Regulations

Not applicable

Pesticide Registration Number Pest Control Product Reg. No. 28797

Product Statement

This chemical is a product registered by the Canadian Pest Control Products Act 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. Read the approved label, authorized under the Pest Control Products Act, prior to using or handling the pest control product. Following is the hazard information as required on the pesticide label:

Pesticide Label

CAUTION

POISON

SKIN IRRITANT

POTENTIAL SKIN SENSITIZER

Difference between SDS and pesticide label

| | PCPA | OSHA |
|----------------------------|---------------------------|-------------------------------------|
| Signal Word | Caution | Warning |
| Acute toxicity- Inhalation | N/A | Harmful if inhaled |
| Skin Corrosion | Skin irritant | Causes skin irritation |
| Skin Sensitizer | Potential skin sensitizer | May cause an allergic skin reaction |

16. OTHER INFORMATION**NFPA****Health Hazards**

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS**Health Hazards**

Not determined

Flammability

Not determined

Physical hazards

Not determined

Personal Protection

Not determined

Issue Date: 27-Nov-2018**Revision Date:** 27-Nov-2018**Revision Note:** New format**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