

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Propiconazole 14.3 Select Fungicide
CHEMICAL FAMILY: Triazole Fungicide

COMPANY IDENTIFICATION:

Prime Source, LLC
4609 Boonville-New Harmony Road
Evansville, IN 47725

EPA Registration Number: 89442-17

Emergency Phone: National Pesticides Information Center (NPIC): 800-858-7378
National Poison Information Center: 800-222-1222

2. COMPOSITION, INFORMATION OF INGREDIENTS:

Components

CHEMICAL NAME	CAS NUMBER	EINECS #	%
Propiconazole, 99.0%	60207-90-1	255-983-0	14.44 %
AU 521	N/A	N/A	85.56 %

3. HAZARDS IDENTIFICATION SUMMARY:

NOTE: Please refer to Section 11 for detailed toxicological information.

EMERGENCY OVERVIEW: WARNING! This product is an irritant and an environmentally hazardous substance.

The product may be harmful if it is inhaled or swallowed. Avoid contact with eyes and skin. This herbicide is toxic to aquatic organisms. This product forms flammable mixtures above 110 °F (43 °C.)

POTENTIAL HEALTH EFFECTS:

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation.

INHALATION: Overexposure to the vapor or mist may cause upper respiratory irritation, headache, dizziness, nausea, vomiting and cramps.

SKIN CONTACT: May cause skin irritation.

EYE CONTACT: Vapor or mist may cause moderate irritation to the eyes.

INGESTION: Harmful if swallowed may cause headache, dizziness, nausea, vomiting and cramps.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May cause upper respiratory irritation, cause gastric irritation, dermatitis to the skin and sensitive eyes.

CARCINOGENICITY: None.

4. FIRST AID MEASURES:

INHALATION: Move the exposed person to fresh air free from risk of further exposure. If the person is not breathing call 911, then apply rescue breathing. Seek medical attention as soon as possible.

EYE CONTACT: Flush with clean, lukewarm water raising upper and lower eyelids at low pressure for 15 minutes. Remove contact lenses, if present, after the first five minutes and continue to rinse the eyes. Seek medical attention if no relief.

SKIN CONTACT: Rinse the exposed area with clean water for 15-20 minutes. Call poison control center or doctor for treatment advice.

INGESTION: Call a poison control center or doctor immediately for treatment advice. DO NOT INDUCE VOMITING. Lower the head when person is vomiting to minimize entry into throat and lungs.

NOTES TO PHYSICIAN TREATMENT: There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

Call 1-800-222-1222 for Poison Control Center

5. FIRE FIGHTING MEASURES:

FLASHPOINT AND METHOD: 221°F (105 °C) Combustible liquid

FLAMMABLE LIMITS: NE

EXTINGUISHING METHOD: Use dry chemicals, carbon dioxide and foam.

FIRE OR EXPLOSION HAZARDS: Thermal decomposition may form hydrogen chloride. This material under complete combustion will form oxides of carbon and nitrogen plus chlorides

SPECIAL FIREFIGHTING PROCEDURES: Keep upwind of fire. Full emergency equipment with self-contained breathing apparatus and full protective clothing to be worn by firefighters.

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES: Wear PPE. Avoid breathing vapor or mist. Avoid contact with ignition sources. Isolate the area and prevent material from getting into waterways.

Absorb with vermiculite, sand or other inert absorbent and place the collected material in a closed container.

Finish cleaning the area with small amounts of soap and water on the spill area.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE: Avoid high temperatures above 110 °F (43°C.) Keep containers tightly closed and in a cool dry area. Provide a cool well-ventilated area.

SPECIAL SENSITIVITY: Avoid contact with skin and eyes and wear PPE in section 8.

HANDLING AND STORAGE PRECAUTIONS: Avoid breathing the vapor or mist. Use normal safety procedures and good personal hygiene. Wash thoroughly after use and before eating, drinking, chewing gum or using tobacco.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

EYE PROTECTION: Use safety glasses or goggles, there is potential for vapor or mist exposure to cause injury to the eyes.

SKIN PROTECTION: Wear chemical resistant glove (Nitrile.) Wear long sleeve shirts, long pants and shoes and socks.

RESPIRATORY PROTECTION: Wear respirator if the airborne conditions result in an aerosol forming.

OCCUPATIONAL EXPOSURE LIMITS: Naphthalene 50 ppm.

ENGINEERING CONTROLS: Provide adequate ventilation when product is used. Eyewash and shower should be provided in mixing and loading areas.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM: Liquid.

COLOR: Yellow

ODOR: Slight aromatic odor.

pH: 4.5-5.5

SOLUBILITY IN WATER: Emulsifies.

FLASH POINT: N/E

SPECIFIC GRAVITY (water=1): 1.08 g/cc @ 68 °F (20 °C)

10. STABILITY AND REACTIVITY:

STABILITY: This product is stable material under normal conditions of storage and handling. Avoid contact with ignition sources.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBLES: Avoid strong oxidizing acids and bases.

DECOMPOSITION PRODUCTS: Product will burn and the products of complete combustion are oxides of carbon and nitrogen plus chlorides.

11. TOXICOLOGICAL INFORMATION:

The significant routes of exposure are eyes and skin.

Oral LD_{50(rat)} = 3000 mg/kg Dermal LD_{50(rat)} = 2000 mg/kg LC_{50(rat)} = 2.0 mg/L (4-hr test no deaths)

12. ECOLOGICAL INFORMATION:

Product may be toxic to aquatic organisms and birds. Prooiconazole biodegrades and is not persistent in soil

13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD: This material is a combustible liquid. Wear vapor or mist respirator and other required PPE to dispose of the material according to label instructions for

pesticide and container disposal. Dispose according to the regulations of local, state and Federal regulatory agencies.

14. TRANSPORT INFORMATION:

US DOT (ground) SHIPPING NAME: Not regulated for ground shipment, per 49 CFR Part 172.101(12)(iv)

IATA (air) SHIPPING NAME: UN3082, Environmentally hazardous substance, liquid, N.O.S., (Propiconazole), DG Class 9, Packing Group III,

IMO (water) SHIPPING NAME: UN3082, Environmentally hazardous substance, liquid, N.O.S., (Propiconazole), DG Class 9, Packing Group III, Marine Pollutant.

15. REGULATORY INFORMATION:

OSHA STATUS: None.

TSCA STATUS: Not listed.

CERCLA REPORTABLE QUANTITY: None.

CALIFORNIA PROPOSITION 65: None.

RCRA STATUS: Not regulated under RCRA

SARA 311/312 HAZARD NOTIFICATION/REPORTING

IMMEDIATE Y FIRE N SUDDEN RELEASE OF PRESSURE N
DELAYED Y REACTIVE N

SARA TITLE III: None.

SECTION 302 EXTREMELY HAZARDOUS: None.

SECTION 311/312 HAZARD CATEGORIES: None.

SECTION 313 TOXIC CHEMICALS: None.

RIGHT TO KNOW: None

16. OTHER INFORMATION:

National Fire Protection Association (NFPA)

Hazardous Materials Identification System (HMIS)

NFPA

HMIS

0 Least

1 Health

1 Slight

1 Health

1 Flammability

2 Moderate

1 Flammability

0 Instability

3 High

0 Reactivity

4 Severe

H PPE

RISK PHRASES: R21, Harmful in contact with skin; R36, Irritating to eyes; and R51, Toxic to aquatic organisms.

SAFETY PHRASES: S2, Keep out of reach of children; S9, Keep container in a well-ventilated place; S25, Avoid contact with eye; S36, Wear suitable protective clothing; S37, Wear suitable gloves; S38, In case of insufficient ventilation, wear suitable respiratory equipment; S39, Wear eye/face protection; S61, Avoid release to the environment; and S62, If swallowed, do not induce.

APPROVAL DATE: 1/15/2014

ABBREVIATIONS

ACGIH	American Conference of Governmental Industrial Hygienists
AICS	Australian Inventory of Chemical Substances
CAS#	Chemical Abstract Service Number
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
°C	Celsius temperature scale
CI	China
DSL	Canada Domestic Substances List
ECL	Korean Existing Chemicals List
EEC	European Economic Commission
ENCS	Japanese existing Chemical List
EINECS #	European Inventory of Existing Chemical Substance Number
EU	European Union
FIFRA (Israel)	Federal Insecticide, Fungicide, and Rodenticide Act 2001 proposed list of chemical substances to be regulated under Israel Hazardous Substances Law and Regulations List of 1993
IARC	International Agency for Research on Cancer
MAC	Netherlands
MAK	Germany
MITI	Ministry of International Trade and Industry
N/A	Not Applicable
N/D	Not Determined
N/E	Not Established
NIOSH	National Institute of Occupational Safety and Health
NPIC	National Pesticide Information Center

NTP	National Toxicology Program
OSHA	Occupational Safety and Health Act
PICCS	Philippines
PPE	Personal Protective Equipment
Prop	Proprietary
SARA	Superfund Amendments and Reauthorization Act
SWISS	Giftliste 1 and Inventory of Notified New Substances
TSCA	Toxic Substances Control Act
(Taiwan)	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of November 26, 1986
UK	United Kingdom
USA	United States of America

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