Safety Data Sheet

1. Identification

Product Name : OMNI BRAND PROPICONAZOLE 41.8% EC FUNGICIDE
Synonyms : None
Product Use : Triazole (Propiconazole) Fungicide
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification

Signal Word : Warning
Skin Irritation : Causes mild skin irritation
Eye Irritation : Causes serious eye irritation
Acute Toxicity Oral : LD50 1,080 mg/kg (female rat); 2,330 mg/kg (male rat)
Acute Toxicity Dermal : LD50 >2,000 mg/kg

Hazard Categories : Oral/Dermal/Inhalation-4/5/5; Eye/Skin-2A/3; Skin Sensitization-1B; STOT,Single-3; Flammable-3

Hazard Statement : May be harmful in contact with skin
Causes serious eye irritation
Causes mild skin irritation
Harmful if swallowed
May be harmful if inhaled
May cause an allergic skin reaction
May cause respiratory irritation
May cause drowsiness or dizziness
Flammable liquid and vapour

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Propiconazole	60207-90-1	41.8
Calcium dodecyl benzene sulfate	26264-06-2	2.2 (max)
Propylene glycol	57-55-6	12.0
Butyl alcohol	71-36-3	24.4
Other ingredients deemed not to be hazardous	Proprietary	Balance

4. First Aid Measures

Eye : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.
Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : 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 if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

Extinguishing Media : Use foam, water spray, dry chemical and carbon dioxide (CO2) extinguishing agents.

Specific Hazards Arising from the Chemical : Can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back. Water runoff can cause environmental damage.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing. Evacuate nonessential personnel from the area to prevent exposure to fire, smoke, fumes or products of combustion. Dike and collect runoff.

6. Accidental Release Measures

Personal Precautions : Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Warning - flammable vapors may be present. Eliminate sources of ignition and ventilate spill area.

Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Self-contained breathing apparatus may be needed in case of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection. Eyewash and emergency shower should be available in work area.

Emergency Procedures : Control the spill at its source. Contain the spill to prevent spreading to or contaminating soil or from entering sewage and drainage systems or any body of water. Use non-sparking cleanup equipment to prevent ignition.

Methods and Materials for Containment and Cleanup : Cover entire spill with absorbent material, collect and place in compatible disposal container. Scrub area with hard water detergent, e.g., commercial products such as Tide or Joy. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. Handling and Storage

Precautions for Safe Handling : Wear proper personal protective equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid contact with eyes, skin or clothing. Avoid breathing mist/vapors/spray. Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash clothing after use. Do not store or consume food or drink, or use tobacco, in areas where they may become contaminated with this material. Avoid release to the environment. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.

Conditions for Safe Storage : Keep out of reach of children. Keep product in original container. Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces. Store in a cool, dry, secure and well-ventilated place. Protect from excessive heat. Do not contaminate food or foodstuffs. Do not store or transport near food or feed. Avoid release to the environment.

8. Exposure Controls / Personal Protection

TLV/PEL	: Butyl alcohol - 100 ppm TWA (OSHA).
Appropriate Engineering Controls	: Use effective engineering controls to comply with occupational exposure limits (if applicable).
Personal Protective Equipment	: Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use air-purifying respirator with organic vapor cartridge or canister with HE prefilter. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance	: Yellow liquid with pungent odor.
Flash Point, ^{0}F	: 113 Deg. F. (45 Deg. C.)
Boiling Point, ^{0}F	: >338 Degrees F (170 Deg. C.)
Melting Point(Freezing point), ^{0}C	: No data available
Vapor Pressure, mm Hg @ 20 ^{0}C	: 4.2x10(-7) mmHg @ 77 Deg. F.
Vapor Density	: No data available
Solubility in Water	: 0.1 g/L @ 68 Deg. F (in water)
Molecular Formula	: Not applicable, formulated mixture.
Density, g/mL @ 25 ^{0}C	: 1.07 (+/- 0.01 g/ml)
Evaporation Rate(Butyl Acetate = 1)	: No data available
Octanol/Water Partition Coefficient	: No data available
pH	: 4.0 to 7.0
Flammable Limits (approximate volume % in air)	: No data available
Auto-ignition Temperature	: No data available
Decomposition temperature	: No data available

10. Stability and Reactivity

Reactivity	: Not reactive
Chemical Stability	: Stable
Hazardous Decomposition Products	: Can decompose at high temperatures forming toxic gases.
Hazardous Polymerization	: Will not occur
Conditions to Avoid	: Keep away from heat, sparks, open flames and hot surfaces.
Incompatible Materials	: None currently known

11. Toxicological Information

Acute Toxicity (Oral LD50)	: 1,080 mg/kg (female rat) and 2,330 mg/kg (male rat). Harmful if swallowed.
Acute Toxicity (Dermal LD50)	: >2,000 mg/kg. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50	: >5.0 mg/L/4 hour. May be harmful if inhaled.
Likely Routes of Exposure	: Ingestion, Eyes, Inhalation, Skin
Skin Irritation	: Causes mild skin irritation.
Eye Irritation	: Causes serious eye irritation.
Skin Sensitization	: Skin sensitizer - May cause an allergic skin reaction.
Carcinogenic	: Not listed by IARC, NTP or OSHA.
Chronic Effects	: No evidence of mutagenic, teratogenic, neurotoxicity or reproductive effects.

Other Hazards : STOT-Single Exposure: May cause respiratory irritation. May cause drowsiness or dizziness.

12. Ecological Information

Ecotoxicity : Avoid contamination of any water supply with chemical or empty container.
Avian Toxicity: practically non-toxic.
Persistence and Degradability : Not persistent in soil.
Bioaccumulative Potential : Low bioaccumulation potential.
Mobility in Soil : Low potential for leaching into groundwater or moving to deeper soil layers.
Other Adverse Effects : Stable in water. Sinks in water, after 24 hours.

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act. (D001, ignitable waste)

14. Transport Information

UN Proper Shipping Name : Flammable Liquid, n.o.s., (Butyl Alcohol)
Transport Hazard Class : Flammable (3)
UN Identification Number : UN1993
Packaging Group : PG III
Environmental Hazards : ERG # 128; Marine Pollutant
Transport in Bulk : If shipped in single package >119 gallons, ship as: UN1993, Flammable Liquid, n.o.s., (Butyl Alcohol), 3, PG III, Marine Pollutant "ERG # 128"
Special Precautions for Transportation : No information found
Freight Classification : Pesticides, NOI, Fungicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health:	2	Fire:	2	Reactivity:	0

Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health:	Y
Delayed (Chronic) Health:	N
Sudden Release of Pressure:	N
Fire:	Y
Reactive:	N

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:
EPA Registration Number : 38167-35-5905
FIFRA Signal Word : Caution

FIFRA Label Statement	: Keep out of reach of children.
FIFRA Label Statement	: Harmful if swallowed.
FIFRA Label Statement	: Harmful if absorbed through skin.
FIFRA Label Statement	: Causes moderate eye irritation.
FIFRA Label Statement	: Avoid contact with skin, eyes or clothing.
FIFRA Label Statement	: No additional label statements.
FIFRA Label Statement	: No additional label statements.

16. Other Information

Data of Preparation/Revision : 08-January-2016