

Material Safety Data Sheet

Effective Date: 22-APR-2009
Product: HM-0812

I. IDENTIFICATION

Chemical Name: Azoxystrobin+Propiconazole
Chemical Family: Fungicide
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: See Ingredients Statement
EPA Number: 100-1178-5905

II. PHYSICAL DATA

Boiling Point: Not available
Freezing Point: Not available
Spec Gravity: 1.024 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Not determined
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Opaque yellow liquid with xylene odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Azoxystrobin	131860-33-8	7.00	N/E	Skin & eye irritant.
Propiconazole	60207-90-1	11.70	N/E	Skin & eye irritant.
Blend of formulation aids.		81.30	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >212 Degrees F.
Autoignition Temp: 824 Degrees F. (est.)
Flammable Limit: Not applicable
Extinguishing Media: Use dry chemical, foam or carbon dioxide
extinguishing media. If water is used, dike and
collect runoff to prevent environmental
contamination.
Special Fire Fight Proc: Wear self-contained breathing apparatus and
full protective clothing.
Fire and Expl Hazard: Irritating and possibly toxic gases may be

Material Safety Data Sheet

Effective Date: 22-APR-2009
Product: HM-0812

generated by thermal decomposition or
combustion.

V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Harmful if swallowed. Acute Oral LD50 (female rat) = 1,750 mg/kg.
Skin Absorption: Acute Dermal LD50 (rat) > 5,000 mg/kg.
Practically non-toxic by absorption.
Inhalation: Harmful if inhaled. Acute Inhalation LC50 (female rat) > 2.55 mg/L/4 hours.
Skin contact: Irritating to the skin with contact.
Moderately irritating in laboratory studies (rabbit).
Eye Contact: Irritating to the eyes with contact. Severely irritating in laboratory studies (rabbit).
Chronic Effects: None currently known for this formulation.
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Call a poison control center or doctor immediately for treatment advice. 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.
Skin: Remove contaminated clothing. Rinse skin immediately with plenty of water, continuing for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation: Move to fresh air. If 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.
Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing the eyes. Call a poison control center or doctor for treatment advice.
Notes to Physician: There is no specific antidote if this product is ingested. Treat symptomatically.

Material Safety Data Sheet

Effective Date: 22-APR-2009
Product: HM-0812

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Stable under normal use and storage conditions.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: None currently known.
Hazardous Combustion: May decompose at high temperatures forming toxic gases.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spill to prevent spreading or contaminating soil or from entering sewer and drainage systems or any body of water. Clean up spills immediately. Cover entire spill with absorbent material and place in compatible disposal container. Wash area with hard water detergent (e.g., Tide, Joy or Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container.
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: None needed under normal use conditions.
Ventilation: Good general ventilation is sufficient.
Gloves: Chemical-resistant gloves.
Eyes: Splashproof goggles.
Other: Eyewash station, emergency shower, coveralls, socks and chemical-resistant footwear.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, ponds or drains. Store in a well-ventilated secure area.
Other precaution: Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

22-APR-2009 14:47:45
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 22-APR-2009
Product: HM-0812

potential for exposure to this product. Wash thoroughly with soap and water after handling.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT. See note for IATA and IMDG.

Hazard Class: None

Identification No: None

Labels Required: None required

Placarding: None

Freight Class: Fungicide, N.O.I., Other than Poison (NMFC Item 102120, Class 60)

Chemical Name

Equivalent R.Q.

Not applicable

Not applicable

For AIR shipments (max. inner packages 5 liters, single packages 450 liters):

UN3082, Environmentally hazardous substance, liquid, n.o.s. (Azoxystrobin, Propiconazole), 9, PG III

For WATER shipments (IMDG EMS # F-A, S- F):

UN3082, Environmentally hazardous substance, liquid, n.o.s. (Azoxystrobin, Propiconazole), 9, PG III, Marine Pollutant

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:

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

Health: 3

Fire: 1

Reactivity: 0

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

Immediate (Acute) Health: Y
Sudden Release of pressure: N
Reactive: N

Delayed (Chronic) Health: N
Fire: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
Helena Chemical Company believes that the data contained herein is factual. This data is not to be taken as a warranty or representation of legal responsibility. It is offered solely for your consideration, investigation and verification.