



MATERIAL SAFETY DATA SHEET

RANCONA PINNACLE

Version: 1.7
Date of Issue: 09/24/2008
Date printed: 01/24/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : RANCONA PINNACLE EPA REG No. 400-566

Chemical name: Ipconazole/Metalaxyl (Active Ingredients)

Use of substance/preparation: Fungicide

Supplier: Chemtura Corporation
199 Benson Road
Middlebury, CT 06749 USA

Emergency telephone number: CHEMTREC (24 hours) 800-424-9300, 703-527-3887
Chemtura Corporation Emergency Response (24 hours) 800-292-5898

Environmental, Health and Safety Department: 866-430-2775

Prepared by Product Safety Department Date of Issue: 09/24/2008
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION!

EXPERIMENTAL PRODUCT. COMPLETE SAFETY INFORMATION IS NOT AVAILABLE.
MAY BE HARMFUL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN.
MAY BE IRRITATING TO RESPIRATORY SYSTEM, SKIN AND EYES.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Ipconazole CAS# 125225-28-7	0.434
Metalaxyl CAS# 57837-19-1	0.579
Alkylene glycol CAS# Proprietary	22.5
Organic Solvent CAS# Proprietary	4



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Experimental product. Complete safety information is not available.

4. FIRST AID MEASURES

Swallowing

Do not induce vomiting. Rinse mouth with water. Obtain medical attention.

Inhalation

Remove to fresh air. Obtain medical attention.

Skin contact

Remove contaminated clothing. Wash thoroughly with warm water using a mild soap. Obtain medical attention if irritation persists.

Eye contact

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if irritation persists.

5. FIRE-FIGHTING MEASURES

Hazardous combustion products

Thermal decomposition may produce:
Harmful gases and vapors.

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear.
Self-contained breathing apparatus.

Extinguishing media

Suitable: Large fires:
 - alcohol-type foam or universal-type foams
 Small fires:
 - CO2
 - dry chemical

Unsuitable: - water jets

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Evacuate unnecessary personnel., Avoid all contact with material., Wear suitable protective equipment.

Environmental precautions

Prevent from entering sewer system, surface water or soil.

Methods for cleaning up

Observe government regulations.

Small spills: Absorb on inert material such as sand, earth, vermiculite.
 Collect for disposal.

Large spills Dike to contain spill.



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Pump excess material into suitable container (metal drums, metal tank, or such).

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Wear recommended personal protection equipment., Warn personnel about the dangers of the product., Keep container tightly closed.

Other precautions

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

STORAGE

Storage requirements

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Alkylene glycol	USA	Ceiling, ACGIH	100 mg/m ³	(aerosol)

PERSONAL PROTECTION

Respiratory protection

In the absence of engineering controls sufficient to maintain airborne concentrations below recommended occupational exposure limit values, appropriate respiratory protection should be utilized., The determination of appropriate respiratory protection is best performed, on a case by case basis, taking into consideration the exposure conditions of the particular operation. The respirator manufacturer should be consulted to ensure that the air-purifying cartridges utilized will provide adequate protection for the exposure conditions and period of wear concerned. For emergency conditions where the exposure limit may be greatly exceeded, use an approved positive-pressure self-contained breathing apparatus.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Full face shield.

Skin protection

Chemical resistant protective clothing.

Other protective equipment

Eye bath, Safety shower

Industrial hygiene measures

Before eating, drinking or smoking, wash hands and face thoroughly with soap and water.

ENGINEERING CONTROLS

Ventilation

Provide local exhaust or process enclosure ventilation system.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Liquid
Color	Red



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Odor Not available

OTHER PROPERTIES

pH 5.5 - 7.5
Specific gravity (H₂O=1) 1.062 at 20 °C
Dynamic viscosity 25 - 75 mPa.s

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage and handling conditions.

Hazardous combustion products:

Thermal decomposition may produce:
Harmful gases and vapors.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

Acute toxicity: LD50 Rat
Result: > 5,000 mg/kg

SKIN ABSORPTION

Test results

Acute toxicity: LC50 - Rat
Result: > 5,000 mg/kg

INHALATION

Test results

Acute toxicity: LC50 - Rat
Result: > 2.58 mg/l
Exposure time: 4 h

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit
Result: Slight

EYE CONTACT

Test results

Eye irritation: Species: Rabbit
Result: Minimal irritation

SENSITIZATION

Test results: Result: Negative
Method: Bühler-Test



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12. ECOLOGICAL INFORMATION

This product is not tested.
The following information is based on a component of this material:

<u>Component ecotoxicology</u> Ipconazole <u>Acute toxicity fish:</u>	LC50 - Common carp (Cyprinus carpio) Result: 1.6 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Metalaxyl <u>Acute toxicity fish:</u>	LC50 - Rainbow trout (Oncorhynchus mykiss) Result: > 100 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Organic Solvent <u>Acute toxicity fish:</u>	Static LC50 - Bluegill (Lepomis macrochirus) Result: 22.5 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Organic Solvent <u>Acute toxicity fish:</u>	flow-through LC50 - Rainbow trout (Salmo gairdneri) Result: 17.8 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Ipconazole <u>Aquatic toxicity to plants:</u>	IC50 - Selenastrum capricornutum Result: 0.7 mg/l Exposure time: 72 h
<u>Component ecotoxicology</u> Metalaxyl <u>Aquatic toxicity to plants:</u>	IC50 - Green algae (Scenedesmus subspicatus) Result: 33 mg/l Exposure time: 5 d
<u>Component ecotoxicology</u> Organic Solvent <u>Microorganisms:</u>	Static EC50 - Selenastrum capricornutum Result: 6.2 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Ipconazole <u>Acute toxicity to aquatic invertebrates:</u>	EC50 - Water flea (Daphnia magna) Result: 1.5 mg/l Exposure time: 48 h
<u>Component ecotoxicology</u> Metalaxyl <u>Acute toxicity to aquatic invertebrates:</u>	EC50 - Result: > 28 mg/l Exposure time: 48 h
<u>Component ecotoxicology</u> Organic Solvent <u>Acute toxicity to aquatic invertebrates:</u>	StaticEC50 - Water flea (Daphnia magna) Result: 19.1 mg/l Exposure time: 48 h

13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, and local regulations., Do not discharge to sewers and natural waters.



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14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

IMDG Classification

This product is not regulated by IMDG.

ICAO/IATA Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	RQ	CAS#	Max weight %
Alkylene glycol	5000 pounds for	Proprietary	22.50
	Ethylene glycol		

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Alkylene glycol	Proprietary	22.50

EPA Hazard Categories (SARA 311, 312): No data available.

CHEMICAL INVENTORY

United States:

This is a new chemical substance that is not currently on the TSCA Inventory. Under TSCA regulations, 40 CFR Section 720.36, experimental products such as these can only be used for research and development purposes either directly by, or under the supervision of a technically qualified person. The law further stipulates that an evaluator may test and evaluate samples such as these but, with few exceptions, the sample or products derived from it may not be used for commercial purposes until the new substance is added to the TSCA Inventory via Premanufacture Notification.

Food contact

For FDA status please contact the Product Safety and Regulatory Affairs Department of the Chemtura Corporation.

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS: NOTE TO END-USERS: This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.



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STP	Standard temperature and pressure
W/W	Weight/Weight 0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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