



MATERIAL SAFETY DATA SHEET

RANCONA™ Apex

Version: 1.2
Date of Issue: 09/23/2008
Date printed: 09/23/2008

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : RANCONA™ Apex

Chemical name: Active Ingredient: Ipconazole 0.038 lbs/gallon

Use of substance/preparation: Fungicide

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

Manufacturer: Chemtura Canada Co./Cie
25 ERB STREET
Elmira, Ontario N3B 3A3 Canada

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: 09/23/2008
(US) +1 866-430-2775
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Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION!
MAY CAUSE EYE AND SKIN IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Ipconazole CAS# 125225-28-7	0.434
Ethylene glycol CAS# 107-21-1	< 30

Ingredients not precisely identified are non-hazardous and/or proprietary.



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4. FIRST AID MEASURES

Swallowing

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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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.

Skin contact

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.

Eye contact

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Notes to physician

This product contains ethylene glycol.

5. FIRE-FIGHTING MEASURES

Flash point: > 230 °F > 110 °C

Hazardous combustion products

Oxides of carbon.
Oxides of nitrogen.
Hydrogen chloride.

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

Wear suitable protective equipment., Avoid contact with eyes and skin.

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

Do not get in eyes., Avoid prolonged or repeated contact with skin., Avoid breathing vapor., Use with adequate ventilation., Wash thoroughly after handling.

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>
Ethylene 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

Safety glasses with side shields.

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

Other protective equipment

Eye bath, Safety shower

ENGINEERING CONTROLS

Ventilation

General (mechanical) room ventilation is expected to be satisfactory., Special, local ventilation is needed at points where vapors can be expected to escape to the workplace air.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Liquid
Color	Red
Odor	Mild
Odor threshold	Not available



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OTHER PROPERTIES

pH 5.5 - 7.5
Specific gravity (H2O=1) 1.062 at 20 °C
Vapor pressure
Partitioning coefficient Not available
Flash point > 230 °F
> 110 °C
Percent volatiles Not available

10. STABILITY AND REACTIVITY

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

Stability - Conditions to avoid:
Strong oxidizing agents.
Acids.

Hazardous combustion products:
Oxides of carbon.
Oxides of nitrogen.
Hydrogen chloride.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

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

SKIN ABSORPTION

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

INHALATION

Test results
Acute toxicity: LC50 - Rat
Result: > 2.07 mg/l
Exposure time: 4 h

SKIN CONTACT

Test results
Skin irritation: Species: Rabbit
Result: Slight
Classification: Not irritant

EYE CONTACT

Test results
Eye irritation: Species: Rabbit
Result: Mild irritation

SENSITIZATION

Test results: Species: - Guinea pigs



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Result: Negative
Method: Bühler-Test

12. ECOLOGICAL INFORMATION

The following information is applicable to 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> Ipconazole <u>Aquatic toxicity to plants:</u>	IC50 - Selenastrum capricornutum Result: 0.7 mg/l Exposure time: 72 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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT Classification

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class: 9
UN ID #: UN3082
Packing group: III

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 5000 pounds for	CAS#	Max weight %
Ethylene glycol	Ethylene glycol	107-21-1	< 30.00



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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 %
Ethylene glycol	107-21-1	< 30.00

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

CHEMICAL INVENTORY

United States: This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from TSCA Inventory listing requirements.

Food contact
 No data available.

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.

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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