



MATERIAL SAFETY DATA SHEET

RANCONA™ Apex Fungicide

Version: 1.1
Date of Issue: 03/11/2009
Date printed: 03/11/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : RANCONA™ Apex Fungicide

Chemical name: Active Ingredient: Ipconazole 4.61 g/L

Use of substance/preparation: Fungicide

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

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

Emergency telephone number: 866-744-3060 (Canada 24 hours)
CANUTEC (24 hours) 613-996-6666 (call collect)

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

Prepared by Product Safety Department Date of Issue: 03/11/2009
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
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.

WHMIS CLASSIFICATION

(M)SDS# 000000037076



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This product is registered under the Pest Control Products Act and is therefore exempt from WHMIS supplier labeling and MSDS requirements. Please read entire MSDS and product label for safety precautions.

CPR Compliance

This product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

4. FIRST AID MEASURES

Swallowing

If patient is fully conscious, give two glasses of water. Do not induce vomiting unless told to do so by the poison control center or doctor. Obtain medical attention immediately. Do not give milk, oily products, fat or alcohol. Do not give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air. Give artificial respiration if not breathing. Obtain medical attention.

Skin contact

Wash skin with soap and water. Remove contaminated clothing. Wash clothing before re-use. Obtain medical attention if irritation persists.

Eye contact

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

Notes to physician

This product contains ethylene glycol.

5. FIRE-FIGHTING MEASURES

Flash point: > 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



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Observe government regulations.

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

Large spills Dike to contain spill.
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

Consult local authorities for acceptable provincial 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



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APPEARANCE

Physical state Liquid
Color Red
Odor Mild
Odor threshold Not available

OTHER PROPERTIES

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



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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
Result: Negative
Method: Bühler-Test

12. ECOLOGICAL INFORMATION

The following information is applicable to a component of this material:

<u>Component ecotoxicology</u> Iaconazole <u>Acute toxicity fish:</u>	LC50 - Common carp (Cyprinus carpio) Result: 1.6 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Iaconazole <u>Aquatic toxicity to plants:</u>	IC50 - Selenastrum capricornutum Result: 0.7 mg/l Exposure time: 72 h
<u>Component ecotoxicology</u> Iaconazole <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 waste material in compliance with all federal, provincial and local regulations., Do not discharge to sewers and natural waters.

14. TRANSPORT INFORMATION

TDG - Canada
This product is not regulated by TDG.

IMDG Classification
This product is not regulated by IMDG.

ICAO/IATA Classification
This product is not regulated by ICAO.

15. REGULATORY INFORMATION

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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.

16. OTHER INFORMATION

STP	Standard temperature and pressure
W/W	Weight/Weight

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