



# MATERIAL SAFETY DATA SHEET

## RANCONA™ 3.8 FS

Version: 1.5  
Date of Issue: 09/24/2008  
Date printed: 09/24/2008

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name :** RANCONA™ 3.8 FS EPA Reg. No.: 400-544

**Chemical name:** Ipconazole (Active)

**Use of substance/preparation:** Seed Treatment 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  
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Email: MSDSRequest@chemtura.com

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Ipconazole CAS# 125225-28-7	40.7
Antifreeze CAS# Proprietary	10 - 15
Surfactant blend CAS# Proprietary	4 - 6
Proprietary deduster CAS# Proprietary	7 - 10



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Suspending agent  
CAS# Proprietary 1 - 2

Water  
CAS# 7732-18-5 30 - 40

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### 4. FIRST AID MEASURES

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#### **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.

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### 5. FIRE-FIGHTING MEASURES

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Autoignition temperature:  
Not applicable

#### **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

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### 6. ACCIDENTAL RELEASE MEASURES

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#### **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.



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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

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Antifreeze	USA	TWA (mist), OSHA	15 mg/m <sup>3</sup>	Total dust
		TWA (mist), OSHA	5 mg/m <sup>3</sup>	Respirable fraction
		TLV-TWA, ACGIH	10 mg/m <sup>3</sup>	
Proprietary deduster		TWA (mist), ACGIH	5.0 mg/m <sup>3</sup>	
		STEL (mist), ACGIH	10.0 mg/m <sup>3</sup>	

#### 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



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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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE**

Physical state	Liquid
Color	Brown
Odor	Odorless

**OTHER PROPERTIES**

Boiling point	Not available
Melting point	Not applicable
pH	8.5
Bulk density	1,110 kg/m3
Vapor pressure	
Solubility in water	Dispersible
Solubility in organic solvents	No data available.
Partitioning coefficient	Not available
Flash point	Aqueous system
Autoignition temperature	Not applicable

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**10. STABILITY AND REACTIVITY**

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

**Stability - Conditions to avoid:**  
None known.

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**11. TOXICOLOGICAL INFORMATION**

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**SWALLOWING**

Test results

Acute toxicity: LD50 Rat (Males)  
Result: 5,284 mg/kg

Acute toxicity: LD50 Rat (Females)  
Result: 3,666 mg/kg

**SKIN ABSORPTION**



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

INHALATION  
Test results  
Acute toxicity: LC50 - Rat  
Result: > 2.59 mg/l  
Exposure time: 4 h

SKIN CONTACT  
Test results  
Skin irritation: Result: Slight

EYE CONTACT  
Test results  
Eye irritation: Result: Minimal irritation

SENSITIZATION  
Test results: Result: Non sensitizing.

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## 12. ECOLOGICAL INFORMATION

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<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

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## 13. DISPOSAL CONSIDERATIONS

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**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

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### 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.



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## 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 (RO's) in 40CFR302.4.

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

\*\*\*\* NONE \*\*\*\*

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:

\*\*\*\* NONE \*\*\*\*

EPA Hazard Categories (SARA 311, 312): None

California Proposition 65

\*\*\*\* NONE \*\*\*\*

## 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
1 (HMIS)	0 (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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