



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

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
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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

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.

5. FIRE-FIGHTING MEASURES

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

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.



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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 ³	Total dust
		TWA (mist), OSHA	5 mg/m ³	Respirable fraction
		TLV-TWA, ACGIH	10 mg/m ³	
Proprietary deduster		TWA (mist), ACGIH	5.0 mg/m ³	
		STEL (mist), ACGIH	10.0 mg/m ³	

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

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

Stability - Conditions to avoid:
None known.

11. TOXICOLOGICAL INFORMATION

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.

12. ECOLOGICAL INFORMATION

<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

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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