

Material Safety Data Sheet

RANCONA® 3.8 FS

Version 1.7 Revision Date: 15.05.2015 MSDS Number: 400000001164 Country: CA
Language: EN

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : RANCONA® 3.8 FS
Product code : 400000001164
Chemical nature : Fungicide

Manufacturer or supplier's details

Company name of supplier : MacDermid Agricultural Solutions, Inc
Address : 245 Freight St
Waterbury, CT United States of America 06702
Telephone : (800) 423-8569

Recommended use of the chemical and restrictions on use

Recommended use : Seed treatment
Restrictions on use : Agriculture, For professional users only.

Prepared by :
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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING!	
Appearance	liquid
Colour	beige
Odour	none
Hazard Summary	Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

WHMIS Regulatory status : 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.

This product, material or substance is considered a WHMIS controlled product per Sections 33 - 66, Part IV of the CPR.

Potential Health Effects

Skin : May cause slight irritation.

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Eyes : Mild eye irritation

Ingestion : May be harmful if swallowed.

Aggravated Medical Condition : None known.

Symptoms of Overexposure : No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Fungicide

Hazardous components
No hazardous ingredients

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
If not breathing, give artificial respiration.
Call a POISON CENTER or doctor/ physician.

In case of skin contact : Remove contaminated clothing and shoes.
Wash off immediately with plenty of water for at least 15 minutes.
Call a POISON CENTER or doctor/ physician.

In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Call a physician or poison control centre immediately.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Never give anything by mouth to an unconscious person.

Notes to physician : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Extinguishing media - large fires
Alcohol-resistant foam
Carbon dioxide (CO₂)
(on small fires)

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- Dry chemical
Water spray
- Unsuitable extinguishing media : Water spray jet
- Specific hazards during fire-fighting : No information available.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Use water spray to cool unopened containers.
Standard procedure for chemical fires.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Prevent fire extinguishing water from contaminating surface water or the ground water system.
- Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective clothing, gloves and eye/face protection.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Keep in properly labelled containers.
Dispose of rinse water as waste water.
- Environmental precautions : Do not allow material to contaminate ground water system.
Do not allow uncontrolled discharge of product into the environment.
- Methods and materials for containment and cleaning up : Dam up.
Large spills should be collected mechanically (remove by pumping) for disposal.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Ventilate the area.
- In accordance with local and national regulations.
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SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Handle and open container with care.
Use only in area provided with appropriate exhaust ventilation.
Wear personal protective equipment.
Avoid inhalation, ingestion and contact with skin and eyes.
- Conditions for safe storage : Keep in a dry, cool place.
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Do not freeze.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
glycerol	56-81-5	TWAEV	10 mg/m ³	CA ON OEL
		TWA (Mist)	10 mg/m ³	CA AB OEL
		TWA (Mist)	10 mg/m ³	CA BC OEL
		TWA (Respirable mist)	3 mg/m ³	CA BC OEL
		TWAEV (Mist)	10 mg/m ³	CA QC OEL

Engineering measures : Use mechanical ventilation for general area control.
Maintain air concentrations below occupational exposure standards.
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : Breathing apparatus needed only when aerosol or mist is formed.

Hand protection

Remarks : Chemical resistant protective gloves

Eye protection : Safety glasses with side-shields
or
Safety goggles

Skin and body protection : Long sleeved clothing
Remove and wash contaminated clothing before re-use.

Hygiene measures : Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Keep working clothes separately.
Wash contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : beige

Odour : none

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Odour Threshold	: No data available
pH	: 7 - 9
	: No data available
	: No data available
Flash point	: Not combustible.
Evaporation rate	: No data available
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: 1.1 g/cm ³ (20 °C)
Solubility(ies)	
Water solubility	: soluble, dispersible
Solubility in other solvents	: soluble Solvent: Methanol
	: insoluble Solvent: Hexane
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: 200 - 300 mPa.s (20 °C)
Viscosity, kinematic	: No data available
Self-Accelerating decomposition temperature (SADT)	: Method: No information available.
Surface tension	: 51.6 mN/m, 90 %, saturated aqueous solution
Oxidising potential	: The substance or mixture is not classified as oxidizing.

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SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Hazardous polymerisation does not occur.
Stable under normal conditions.

Conditions to avoid : None known.

Incompatible materials : Strong acids and strong bases
Strong oxidizing agents

Hazardous decomposition products : Nitrogen oxides (NO_x)
Hydrogen chloride gas

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Skin contact
Ingestion

Acute toxicity

Product:

Acute oral toxicity : LD50 Oral (Rat, male): 5,284 mg/kg
GLP: yes

LD50 Oral (Rat, female): 3,666 mg/kg
GLP: yes

Acute inhalation toxicity : LC50 (Rat): > 2.59 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 Dermal (Rat): > 5,000 mg/kg
GLP: yes

Skin corrosion/irritation

Product:

Species: Rabbit
Result: No skin irritation
GLP: yes

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Serious eye damage/eye irritation

Product:

Species: Rabbit
Result: No eye irritation
GLP: yes

Respiratory or skin sensitisation

Product:

Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.
GLP: yes

Germ cell mutagenicity

Product:

Germ cell mutagenicity - Assessment : Based on available data, the classification criteria are not met.

Carcinogenicity

Product:

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : Suspected of damaging fertility or the unborn child.

STOT - single exposure

Product:

Assessment: Based on available data, the classification criteria are not met.

STOT - repeated exposure

Product:

Assessment: May cause damage to organs through prolonged or repeated exposure.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish :
Remarks: Information refers to the main component.

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Toxicity to daphnia and other aquatic invertebrates : Remarks: Information refers to the main component.

Toxicity to algae : Remarks: Information refers to the main component.

Persistence and degradability

Product:

Biodegradability : Remarks: Not readily biodegradable.

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Mobility in soil

Product:

Mobility : Remarks: No data available

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Waste must be classified and labelled prior to recycling or disposal.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Dispose of as special waste in compliance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulation

IATA-DGR

UN/ID No. : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ipconazole)
Class : 9

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Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ipconazole)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

TDG

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ipconazole)
Class : 9
Packing group : III
Labels : 9
ERG Code : 171
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : 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.

D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards : Chronic Health Hazard

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

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SECTION 16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

CA / EN

Carechem24 International Worldwide Coverage

Emergency Phone Number

<u>Europe:</u>	All European Countries	+44 (0) 1235 239 670 (NCEC)
<u>Asia Pacific:</u>	East / South East Asia – Regional Number	+65 3158 1074
	Australia	+61 2801 44558
	New Zealand	+64 9929 1483
	China	+86 532 8388 9090
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
	Malaysia	+60 3 6207 4347
	Thailand	001800 1 2066 6751
	Korea	+65 3158 1285 +82 (0)234 798 401
	Vietnam	+65 3158 1255
	India	+65 3158 1198 +91 1166 411 405
	Pakistan	+65 3158 1329
	Philippines	+65 31581203
	Sri Lanka	+65 3158 1195
	Emergency Phone Number	+65 3158 1200
<u>Middle East / Africa:</u>	Arabic speaking countries	+44 (0) 1235 239 671
	South Africa	+27 21 300 2732
	All other countries	+44 (0) 1235 239 670

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<u>America</u>	United States of America and Canada	+1866 928 0789 +1 215 207 0061
<u>Latin America:</u>	Brazil	+55 113 711 9144
	Mexico	+52 555 004 8763
	Chile	+56 225 829 336
	All other countries	+44 (0) 1235 239 670