



Material Safety Data Sheet

CS: 1.4.93

Page: 1 of 4

Infosafe No™ 3NUHI Issue Date : April 2011 ISSUED by CRPCARE

Product Name **INTAKE Combi In-furrow and Foliar Fungicide**

Not classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name INTAKE Combi In-furrow and Foliar Fungicide
Product Code 5177
Product Type Group 3 Fungicide
Company Name Crop Care Australasia Pty Ltd (ABN 53 061 362 347)
Address Unit 15/16 Metroplex Avenue Murarrie
Queensland 4172 Australia
Emergency Tel. 1800 033 498 (24hr Australia)
Telephone/Fax Number Tel: +61 7 3909 2000
Fax: +61 7 3909 2010
Recommended Use For control of certain fungal diseases on wheat, barley and canola when mixed with fertiliser or applied as a foliar spray as per the Directions for Use table on the label.
Other Information This MSDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. HAZARDS IDENTIFICATION

Hazard Classification Not classified as hazardous
NON-HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s) Not classified as hazardous
Safety Phrase(s) S46 If swallowed, seek medical advice immediately and show this container or label.
Other Information Poisons Schedule S6

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Liquid

Ingredients	Name	CAS	Proportion
	Flutriafol technical	76674-21-0	250 g/L
	Other ingredients (considered non-hazardous)		10-30 %
	Water		Balance

4. FIRST AID MEASURES

Inhalation Over-exposure by inhalation is improbable. Check for other causes of observed symptoms and seek medical advice.
Ingestion If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin Wash affected areas thoroughly with soap and water.
Eye Remove contaminated clothing and launder before re-use.
If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
Seek medical advice immediately.
Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES



Material Safety Data Sheet

CS: 1.4.93

Page: 2 of 4

Infosafe No™ 3NUHI	Issue Date : April 2011	ISSUED by CRPCARE
--------------------	-------------------------	-------------------

Product Name **INTAKE Combi In-furrow and Foliar Fungicide**

Not classified as hazardous

Suitable Extinguishing Media	Water fog, foam, carbon dioxide or dry chemical.
Hazards from Combustion Products	If involved in a fire, it will emit oxides of nitrogen, oxides of carbon and possibly hydrogen fluoride. Non-flammable.
Special Protective Equipment for fire fighters	Breathable air apparatus should be worn when fighting a fire in which this product is involved.
Emergency Action in case of Fire	If exposed to fire, keep container cool by spraying with water.
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers. Use earthen bunds or absorbent bunding to prevent spreading of spillage.

7. HANDLING AND STORAGE

Conditions for Safe Storage	Do not store near oxidisers. Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
Other Information	Always read the label and any attached leaflet before use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standard for this product has been set, however, an exposure standard has been recommended by the supplier for flutriafol at 1.5 mg/m ³ .
Engineering Controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Eye Protection	Eye protection is essential.
Personal Protective Equipment	When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. Re-entry period: Do not enter treated area until spray has dried.
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.
Requirements Concerning Special Training	Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Blue opaque liquid
Melting Point	~ -5°C
Boiling Point	~ 100°C (water)
Solubility in Water	Solubility of flutriafol is 130 mg/l @ pH 7-9 Disperses in water.
Specific Gravity	1.10
pH Value	6.5 - 7.5
Vapour Pressure	7.6 x 10 ⁻⁶ mPa for flutriafol
Volatile Component	~60%



Material Safety Data Sheet

CS: 1.4.93

Page: 3 of 4

Infosafe No™ 3NUHI	Issue Date : April 2011	ISSUED by CRPCARE
--------------------	-------------------------	-------------------

Product Name **INTAKE Combi In-furrow and Foliar Fungicide**

Not classified as hazardous

Octanol/Water Partition Coefficient Kow Log P is 2.3 for flutriafol**Flammability** Non combustible material.

10. STABILITY AND REACTIVITY

Hazardous Polymerization Hazardous polymerisation is not possible.

11. TOXICOLOGICAL INFORMATION

Inhalation May cause irritation to the respiratory tract.**Ingestion** Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.**Skin** Not a skin irritant and not harmful by dermal exposure.**Eye** May cause some discomfort if contact is prolonged.**Chronic Effects** Evidence from animal studies indicate that repeated or prolonged exposure to flutriafol can result in embryo/foetotoxic effects and liver disorders.**Reproductive Toxicity** Data indicates no teratogenic effects for flutriafol.

At doses toxic to maternal animals, flutriafol has been shown to produce developmental toxicity in a number of species.

NOEL: 10 mg/kg/day (rat); and NOEL 7.5 mg/kg/day (rabbit).

Carcinogenicity The weight of the evidence is that flutriafol is not carcinogenic.**Acute Toxicity - Oral** LD50 (rat) 1140 mg/kg for flutriafol**Acute Toxicity - Dermal** LD50 (rat) >1000 mg/kg for flutriafol**Acute Toxicity - Inhalation** LC50 (rat) (4hr) 1.65 mg/l for flutriafol**Eye Irritation** Mild eye irritant.**Skin Irritation** Not a skin irritant.**Other Information** The Australian Acceptable Daily Intake (ADI) for flutriafol for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 1 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing Office of Chemical Safety, 'ADI List', December 2008).

12. ECOLOGICAL INFORMATION

Persistence / Degradability Flutriafol is essentially insoluble in water and has moderate mobility in soil. Degradation in soil and water is slow. The product is applied to seed for sowing - use pattern restricts movement into the environment.**Other Precautions** Do not contaminate dams, waterways or sewers with this product.**Environ. Protection** Marine pollutant.**Acute Toxicity - Fish** The following is data for the active ingredient, flutriafol.

LC50 (96hr) for rainbow trout is 61 mg/l

Acute Toxicity - Daphnia LC50 (96hr) for daphnia magna is 78 mg/l.**Acute Toxicity - Algae** IC50 (72hr) Scenedesmus subspicatus is 2 mg/l**Acute Toxicity - Other Organisms** Birds: Not toxic to birds. LD50 for mallard ducks (female) is >5000 mg/kg

Not toxic to bees.

13. DISPOSAL CONSIDERATIONS

Product Disposal On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).**Container Disposal** Do not use this container for any other purpose.

Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and



Material Safety Data Sheet

CS: 1.4.93

Page: 4 of 4

Infosafe No™ 3NUHI	Issue Date : April 2011	ISSUED by CRPCARE
--------------------	-------------------------	-------------------

Product Name **INTAKE Combi In-furrow and Foliar Fungicide**

Not classified as hazardous

dispose of in landfill in accordance with local regulations.
drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.
If recycling, replace cap and return clean containers to recycler or designated collection point.
If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility.
If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations.
Empty containers and product should not be burnt.
See label for instructions regarding storage and disposal of reusable 110 and 1000L containers.

14. TRANSPORT INFORMATION

Storage and Transport	Considered non dangerous for road and rail transport (in packaging, including IBCs not greater than 3000 Lt each) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.
UN Number (Sea Transport)	For bulk shipments as Class 9, use UN 3082, HazChem code 2Z. 3082
IMO Class/Packing Group	Class 9
IMO Marine Pollutant	Marine Pollutant
IMO Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Flutriafol)

15. REGULATORY INFORMATION

Poisons Schedule	S6
Packaging & Labelling	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
AICS (Australia)	All of the components in this product are listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	Revised 21/04/2011
Contact Person/Point	Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498
Revisions Highlighted	The MSDS was reviewed. Minor changes were made to the information. Product Type is now Group 3 Fungicide. Re-entry period information has been added in section 8. Container disposal information has been updated as per the label. ...End Of MSDS...

© Copyright ACOHS Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.
The compilation of MSDS's displayed is the intellectual property of Acohs Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.