



Infosafe No™ 3NUHI	Issue Date : March 2016	ISSUED by CRPCARE
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Product Name **INTAKE Combi In-furrow and Foliar Fungicide**

Not classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	INTAKE Combi In-furrow and Foliar Fungicide
<b>Product Code</b>	5177
<b>Product Type</b>	Group 3 Fungicide
<b>Company Name</b>	Crop Care Australasia Pty Ltd (ABN 53 061 362 347)
<b>Address</b>	Unit 17/16 Metroplex Avenue Murarrie Queensland 4172 Australia
<b>Emergency Tel.</b>	1800 033 498 (24hr Australia)
<b>Telephone/Fax Number</b>	Tel: +61 7 3909 2000 Fax: +61 7 3909 2010
<b>Recommended Use</b>	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.
<b>Other Information</b>	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

## 2. HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	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.
<b>Safety Phrase(s)</b>	S46 If swallowed, seek medical advice immediately and show this container or label.
<b>Other Information</b>	Poisons Schedule S6

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical Characterization</b>	Liquid		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Flutriafol technical	76674-21-0	250 g/L
	Other ingredients (considered non-hazardous)		10-30 %
	Water		Balance

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Over-exposure by inhalation is improbable. Check for other causes of observed symptoms and seek medical advice.
<b>Ingestion</b>	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.
<b>Skin</b>	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
<b>Eye</b>	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice immediately.
<b>Advice to Doctor</b>	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Water fog, foam, carbon dioxide or dry chemical.
<b>Hazards from Combustion Products</b>	If involved in a fire, it will emit oxides of nitrogen, oxides of carbon and possibly hydrogen fluoride. Non-flammable.



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**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<sup>3</sup>.  
**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<sup>-6</sup> mPa for flutriafol  
**Volatile Component** ~60%  
**Octanol/Water Partition Coefficient** Kow Log P is 2.3 for flutriafol  
**Flammability** Non combustible material.

## 10. STABILITY AND REACTIVITY



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**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 2014).

## 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  
LC50 (96hr) for daphnia magna is 78 mg/l.

**Acute Toxicity - Daphnia**

**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 dispose of in landfill in accordance with local regulations.  
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.



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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.

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.

## 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.

For bulk shipments as Class 9, use UN 3082, HazChem code 2Z.

**UN Number (Sea Transport)**                      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

**Other Information**                      This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 61702.

## 16. OTHER INFORMATION

**Date of preparation or last revision of MSDS**                      Revised 07/03/2016.  
This SDS replaces document dated April 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.

...End Of MSDS...

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