

Infosafe No™ 3NUKJ	Issue Date : June 2015	ISSUED by CRPCARE
--------------------	------------------------	-------------------

Product Name **INTAKE HILOAD GOLD In-furrow & foliar Fungicide**

Classified as hazardous

1. Identification

GHS Product Identifier	INTAKE HILOAD GOLD In-furrow & foliar Fungicide
Product Code	5197 NUL2007
Product Type	Group 3 Fungicide
Company Name	Crop Care Australasia Pty Ltd (ABN 53 061 362 347)
Address	Unit 17/16 Metroplex Avenue Murarrie Queensland 4172 Australia
Telephone/Fax Number	Tel: +61 7 3909 2000 Fax: +61 7 3909 2010
Emergency phone number	1800 033 498 (24hr Australia)
Recommended use of the chemical and restrictions on use	This product is for the 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 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. Hazard Identification

GHS classification of the substance/mixture	Acute Toxicity - Oral: Category 4 Acute Toxicity - Dermal: Category 4 Eye Damage/Irritation: Category 1
Signal Word (s)	DANGER
Hazard Statement (s)	Harmful if swallowed. Harmful in contact with skin. Causes serious eye damage.
General Precautionary Statement (s)	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.
Pictogram (s)	Corrosion, Exclamation mark



Precautionary statement – Prevention	Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, clothing, eye and face protection.
Precautionary statement – Response	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Other Information	Poisons Schedule S6

3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Flutriafol technical	76674-21-0	500 g/L
	Propylene glycol	57-55-6	0-10 %

Infosafe No™ 3NUKJ	Issue Date : June 2015	ISSUED by CRPCARE
--------------------	------------------------	-------------------

Product Name **INTAKE HILOAD GOLD In-furrow & foliar Fungicide**

Classified as hazardous

Other ingredients (considered non-hazardous)	10-30 %
Water	30-60 %

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. Remove contaminated clothing and launder before re-use.
Eye contact	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

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.
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, including any incompatibilities	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

Occupational exposure limit values	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 . Safe Work Australia has set the following exposure standard for propylene glycol (particulates) : TLV (TWA) 10 mg/m ³ , STEL -.
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.
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.

Infosafe No™ 3NUKJ	Issue Date : June 2015	ISSUED by CRPCARE
--------------------	------------------------	-------------------

Product Name **INTAKE HILOAD GOLD In-furrow & foliar Fungicide**

Classified as hazardous

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	Yellow 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	1.17
Vapour Pressure	7.6 x 10 ⁻⁶ mPa for flutriafol
Volatile Component	~60%
Partition Coefficient: n-octanol/water	Kow Log P is 2.3 for flutriafol
Flammability	Non combustible material.

10. Stability and reactivity

Chemical Stability	Stable under normal conditions.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

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) >5.2 mg/l for flutriafol
Ingestion	Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.
Inhalation	May cause irritation to the respiratory tract.
Skin	Not a skin irritant and not harmful by dermal exposure.
Eye	May cause some discomfort if contact is prolonged.
Carcinogenicity	The weight of the evidence is that flutriafol is not carcinogenic.
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).
Chronic Effects	Evidence from animal studies indicate that repeated or prolonged exposure to flutriafol can result in embryo/foetotoxic effects and liver disorders.
Serious eye damage/irritation	Mild eye irritant.
Skin corrosion/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 and degradability	Not readily biodegradable.
--------------------------------------	----------------------------



Safety Data Sheet

Infosafe No™ 3NUKJ Issue Date : June 2015 ISSUED by CRPCARE

Product Name **INTAKE HILOAD GOLD In-furrow & foliar Fungicide**

Classified as hazardous

Other Precautions Do not contaminate dams, waterways or sewers with this product.

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 mallards ducks is >5,000 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 or preferably pressure rinse containers before disposal. Add rinsings to the spray tank.
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.
DO NOT burn empty containers or product. 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.
Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for refill or storage.

14. Transport information

Transport Information Storage and Transport It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
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: 64077.

16. Other Information



Safety Data Sheet

infosafe
CS: 1.7.2

Page: 5 of 5

Infosafe No™ 3NUKJ Issue Date : June 2015 ISSUED by CRPCARE

Product Name **INTAKE HILOAD GOLD In-furrow & foliar Fungicide**

Classified as hazardous

Date of preparation 22/06/2015.

or last revision of This SDS replaces document dated October 2013.

SDS

Contact Person/Point Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000

After Hours: Shift Supervisor Phone: 1800 033 498

Revisions The SDS was reviewed. Minor changes were made to the information.

Highlighted See section 11 - Acute toxicity Inhalation value.

...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.