



# Safety Data Sheet

Infosafe No™ 3NULB Issue Date : July 2015 ISSUED by CRPCARE

Product Name **VETERAN Plus Seed Treatment**

Not classified as hazardous

## 1. Identification

**GHS Product Identifier** VETERAN Plus Seed Treatment

**Product Code** 5711

**Product Type** Group 4A Insecticide  
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** Seed dressing for the control of bunt, loose smut and flag smut in wheat, covered smut and loose smut in barley and oats, loose smut in triticale and the prevention of spread of barley yellow dwarf virus and for protection against insect pests of stored seed grain 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

**Other Information** Poisons Schedule S6  
Not classified as hazardous under the GHS criteria.

## 3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	Name	CAS	Proportion
	Imidacloprid	138261-41-3	180 g/L
	Flutriafol	76674-21-0	6.25 g/L
	Propylene glycol	57-55-6	10-30 %
	Other ingredients (considered non-hazardous)		10-30 %
	Water		Balance

## 4. First-aid measures

**Inhalation** Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.

**Ingestion** Rinse mouth and then drink plenty of water.  
Do not give anything by mouth to a semi-conscious or unconscious person.  
Seek medical advice immediately.

**Skin** Remove contaminated clothing and laundry before re-use.  
Wash affected areas thoroughly with soap and water.

**Eye contact** If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.  
Seek medical advice.

**First Aid Facilities** If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.

**Advice to Doctor** Treat symptomatically.  
Has a nicotine like effect.  
Check blood pressure and pulse rate frequently, as bradycardia and hypotonia are possible. Provide supportive measures for respiratory function and cardiac action. Give artificial respiration if signs of paralysis appear. Additional therapeutic measures involve elimination of the substance from the body or acceleration of its excretion (gastric lavage, saline laxatives, activated charcoal).  
Contra-indications:  
(Avoid) absorption promoting agents such as alcoholic beverages and milk.

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## 5. Fire-fighting measures

**Suitable extinguishing media** Water fog, foam, carbon dioxide or dry chemical.

**Hazards from Combustion** May emit toxic fumes of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides if involved in fires or exposed to extreme heat.

**Products**

**Special Protective Equipment for fire fighters** Breathable air apparatus should be worn when fighting a fire in which this product is involved.

**Specific hazards arising from the chemical** Considered low risk due to water content, however upon evaporation of water the product is combustible.

**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.

## 7. Handling and storage

**Precautions for Safe Handling** Seed treated with this product must not be used for animal or human consumption or be allowed to contaminate seed intended for animal or human consumption.

**Conditions for safe storage, including any incompatibilities** Store in the closed, original container in a cool, well ventilated area.  
Do not store for prolonged periods in direct sunlight.  
Treated seed, when stored, should be kept apart from other seed. The containers should be clearly marked to indicate the contents have been treated with this product.

**Other Information** Always read the label and any attached leaflet before use.

## 8. Exposure controls/personal protection

**Occupational exposure limit values** Safe Work Australia has set the following exposure standard for propylene glycol (particulates) : TLV (TWA) 10 mg/m<sup>3</sup>, STEL -.

**Appropriate engineering controls** Handle in well ventilated areas, generally natural ventilation is adequate.

**Personal Protective Equipment** It is good practice to wear suitable personal protective equipment (PPE).  
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.  
See re-entry period information on the label for this product.

**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** Beige liquid suspension

**Solubility in Water** Disperses in water.

**Specific Gravity** 1.104

**pH** 7

**Vapour Pressure** 9 x 10<sup>-7</sup> mPa @ 25°C (imidacloprid)

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**Partition Coefficient:** Kow Log P is 0.57 @ 21°C (imidacloprid)  
**n-octanol/water**

**Flammability** Not flammable

## 10. Stability and reactivity

**Chemical Stability** Stable under normal conditions.

**Possibility of hazardous reactions** Keep away from strong oxidising agents.

**Hazardous Polymerization** Hazardous polymerisation is not possible.

## 11. Toxicological Information

**Acute Toxicity - Oral** LD50 (rat) >5,000 mg/kg for the formulated product

**Acute Toxicity - Dermal** LD50 (rat) >2,000 mg/kg for the formulated product

**Acute Toxicity - Inhalation** LC50 (rat) (4hr) >5.33 mg/l for the formulated product  
 No toxic signs, pre-terminal deaths or post mortem abnormalities were observed.

**Ingestion** Swallowing large quantities may cause vomiting, diarrhoea, abdominal pain, lethargy, depressed muscular tone, muscular cramps, respiratory disturbances and trembling.

**Inhalation** Inhalation of sprays or mists may result in effects described under ingestion.

**Skin** May irritate the skin.

**Eye** May irritate the eyes.

**Chronic Effects** Evidence from animal studies indicate that repeated or prolonged exposure to flutriafol (in significant quantities) can result in liver damage.

**Serious eye damage/irritation** Mild eye irritant.

**Skin corrosion/irritation** Mild skin irritant.

**Other Information** The Australian Acceptable Daily Intake (ADI) for imidacloprid for a human is 0.06 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 6 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: Aust Govt Dept. of Health, Office of Chemical Safety, 'ADI List', December 2014). ADI for flutriafol is 0.01 mg/kg/day, NOEL 1 mg/kg/day.

## 12. Ecological information

**Other Precautions** Do not spray on vegetation where honeybees are foraging.

Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

Do not feed treated seed, or otherwise expose, to wildlife and domestic animals, particularly birds.

**Acute Toxicity - Fish** The following is data for the active ingredient, imidacloprid.

LC50 (96hr) for rainbow trout is 211 mg/l.

**Acute Toxicity - Daphnia** LC50 (48hr) for daphnia magna is 85 mg/l.

**Acute Toxicity - Algae** EC50 (48hr) for pseudokirchneriella subcapitata >100 mg/l.

**Acute Toxicity - Other Organisms** LD50 for japanese quail is 31 mg/kg  
 LD50 for bobwhite quail is 152 mg/kg  
 Harmful to bees by direct contact.

## 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®).



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**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. 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

**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.

## 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: 63978.

## 16. Other Information

**Date of preparation or last revision of SDS** Revised 07/07/2015  
This SDS replaces document dated June 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 SDS was reviewed to include GHS requirements.  
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