



SDS NO: SDS AGKE0005

Date: 09.04.2020

Version No:1.0

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Section 1 – Identification of the substance/preparation and the company

Product Name KeyRole Pro SC Seed Treatment Insecticide
Company Donaghys Ltd
Address 16 Sheffield Crescent
PO Box 20 449
Christchurch
Telephone Number 0800 942 006
Manufacturer Product Code AGKE0005
ACVM No P009253
Recommended Use Insecticide, Seed treatment

Section 2 – Hazard Identification

GHS label elements
Hazard classifications

6.1D May be harmful if swallowed, in contact with skin or inhaled
6.9B May cause organ damage from repeated oral exposure at high doses.
9.1A Very toxic to aquatic organisms
9.2B Toxic to the soil environment
9.3B Harmful to terrestrial vertebrates
9.4A Very toxic to terrestrial invertebrates

Hazard pictograms



Signal word
EPA NZ Approval Code

Warning
HSR101047

Section 3 – Composition Information

Substance/Mixture: Suspension

Hazardous components

Chemical name	CAS-No.	Concentration (% w/v)
Clothianidin	210880-92-5	600 g/L
Other ingredients	Not applicable	Up to 1 litre

Section 4 – First Aid Measures

INHALATION

Move person to fresh air. If inhaled: Keep patient calm, remove to fresh air, seek medical attention. Call a poison control centre or doctor for treatment advice.

INGESTION

Call a poison control centre or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

IN CASE OF EMERGENCY PHONE

National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)



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SKIN Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

EYE Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Obtain medical attention immediately if irritation persists.

Section 5 – Fire-fighting Measures

SUITABLE EXTINGUISHING MEDIA Water spray, carbon dioxide (CO₂), foam, sand.

SPECIAL HAZARDS ARISING FROM THE CHEMICAL In the event of fire the following may be released: Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Nitrogen oxides (NO_x), Sulphur oxides.

SPECIAL PROTECTIVE ACTIONS FOR FIRE FIGHTERS In case of fire do not breathe fumes, wear self contained breathing apparatus. Avoid personnel and equipment contact with fallout and runoff.

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment. Do not discharge into drains/surface waters/groundwater.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP Collect the spilled chemical with absorbent material (eg sand, silica gel, acidic or universal binder, sawdust). Clean contaminated surface thoroughly in accordance with local environmental regulations. Keep in suitable, closed containers for disposal.

Section 7– Handling and Storage

PRECAUTIONS FOR SAFE HANDLING: Ensure through ventilation of stores and work areas. Use only in well ventilated areas. Wash thoroughly with soap and water after handling and before eating, drinking, or using the toilet.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Requirements for storage areas and containers: Store in tightly closed containers in a cool, well ventilated area, bystanders reach. Packed and ready for packaging materials in a closed warehouse or under cover to protect from direct sunlight and frost. Keep away from food, drink and animal feed.

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Section 8 – Exposure Controls/Personal Protection

PERSONAL PROTECTIVE EQUIPMENT

BODY PROTECTION

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit.

RESPIRATORY PROTECTION

Respiratory protection is not required under anticipated circumstances of exposure. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation.

EYE CONTACT

Wear goggles.

HAND PROTECTION

Chemical resistant protective gloves, protective glove selection must be based on the user's assessment of the workplace hazards.

Section 9 – Physical and Chemical Properties

APPEARANCE

Suspension

ODOUR

weak, characteristic

WATER SOLUBILITY

Dispersible

DENSITY

1.26 g/cm³

BOILING POINT

About 100°C

Section 10 – Stability and Reactivity

CHEMICAL STABILITY

Stable under normal use and storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

The product is chemically stable under recommended conditions of storage, use and temperature.

HAZARDOUS DECOMPOSITION PRODUCTS

No decomposition products expected under normal conditions of use.

Section 11 – Toxicological Information

Numerical measures of toxicity :

Acute oral LD50: 500-1000 mg/kg in the rat

Acute dermal LD50: > 2,000 mg/kg in the rat

Acute inhalation LC50: > 2.6 mg/L in the rat

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