

# SAFETY DATA SHEET

## SUPER SPROUT STOP Plant Growth Regulator

Date of Issue: 6 December 2021

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Chemical name of active ingredient(s):** Potassium salt of maleic hydrazide  
**Recommended use:** Growth Regulator

**Supplier:** UPL New Zealand Limited  
PO Box 51584, Pakuranga  
Auckland  
Phone 0800 100 325  
www.upl-ltd.com/nz

**Emergency telephone number:** 0800 CHEM CALL (0800 243 622) 24 Hours

### 2. HAZARDS IDENTIFICATION



**Hazard Classification:** 9.2A  
**Required identification Details:** **WARNING:**  
Keep out of the reach of children.  
Read label carefully before use.

Very toxic to soil environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Potassium salt of maleic hydrazide	123-33-1	27
Inert ingredients		73

### 4. FIRST-AID MEASURES

**Description of necessary first aid measures:**

**General information:**

#### First-aid measures

**Inhalation:**

Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

**Ingestion:** Call the National Poison Centre 0800 poison (0800 764 766). Have a person sip a glass of water if able to swallow. Do not induce vomiting.

**Skin contact:** Take off contaminated clothing. Rinse skin immediately for 15-20 minutes.

**Eye contact:** If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Get medical attention if irritation persists.

**First Aid Facilities:**

**Notes to a physician:**

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## 5. FIRE-FIGHTING MEASURES

**HAZCHEM Code:** 2Z

**Type of Hazard:**

**Extinguishing media:** Water spray, fog, dry chemical, Carbon dioxide.

**Hazardous thermal (de)composition products:** Oxides of carbon and nitrogen.

**Specific methods:**

**Protection of fire-fighters:** Wear full protective clothing and self-contained breathing apparatus. Do not breath smoke or gases.

**Other Information:**

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants ,waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

**Environmental precautions:** Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

**Methods for cleaning up:** In the case of spillage, contain and absorb spilled material with absorbent material such as sand clay or cat litter. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with a suitable solution (i.e. organic solvent, detergent, bleach or caustic) and add the solution to the drums of wastes already collected. Label for contents. Dispose of drummed wastes, including decontamination solution, in accordance with the requirements of Local Authorities

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## 7. HANDLING AND STORAGE

**Handling:** When mixing or applying, avoid contact with skin and eyes. Wear protective clothing, gloves and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

**Storage:** Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Keep out of reach of children.

**Packaging materials:** Fluorinated HDPE Plastic.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

**Exposure Standards:** No exposure limit allocated.  
No exposure standards have been set for this product or the active ingredients.

## Engineering measures

Exposure control measures:

Ensure ventilation is adequate, generally natural ventilation is adequate.

## Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

Do not inhale spray mist.

Skin and body:

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 and PVC gloves and goggles.

Hands:

Elbow-length and PVC gloves.

Eyes:

Wear chemical goggles.

General hygiene:

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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Colour, Odour.

Yellow liquid. Odourless.

pH:

7-8

Vapour Pressure:

Negligible

Boiling Point:

104.4°C

Flash Point:

Freezing/Melting point:

NA

Solubility in water:

Complete

Specific gravity/Density:

1.19 gm/cc

Auto-ignition:

Flammable limits:

NA

Flashpoint:

Octanol/water partition coefficient:

Not available.

Explosive Properties:

Not explosive.

Oxidation Properties:

Not an oxidizer..

Other:

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## 10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions. Do not store below 4°C.

Conditions to avoid:

Excessive heat.

Materials to avoid:

Acids

Hazardous Decomposition

Oxides of carbon and nitrogen.

Products:

Hazardous polymerization:

None known.

Hazardous Reactions:

Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral:

LD<sub>50</sub> >5,000 mg/kg (Rat)

Acute toxicity - Dermal:

LD<sub>50</sub> >5,000 mg/kg (Rabbit)

Acute toxicity – Inhalation:

None available

Ingestion:

Skin irritation:

May irritate the skin.

Eye irritation:

May irritate the eyes

Respiratory Sensitization:

Not a known sensitizer.

### Chronic toxicity

Carcinogenicity:

NA

Subchronic/Chronic Toxicity:

No data available on this formulation..

Other information :

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## 12. ECOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	
<b>Aquatic</b>	Not toxic in the aquatic environment. LC <sub>50</sub> = 1,608 mg/litre, 96 hr (Bluegill sunfish) LC <sub>50</sub> = 1,435 mg/litre, 96 hr (Rainbow Trout) EC <sub>50</sub> = 107 mg/litre, 48 hr (Daphnia magna)
<b>Bees:</b>	None available
<b>Birds:</b>	Non-toxic to birds LD <sub>50</sub> > 10,000 mg/kg (Bobwhite quail and Mallard Duck)
<b>Soil:</b>	Toxic in the soil environment.
<b>Bioaccumulative potential:</b>	None available.
<b>Mobility:</b>	

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## 13. DISPOSAL CONSIDERATIONS

**Methods of disposal:** Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409.



**Empty container precautions:** CONTAINER DISPOSAL: Triple rinse container and add residue to spray tank. Submit clean empty container for recycling through Agrecovery. If this is not possible, crush and bury in landfill.

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## 14. TRANSPORT INFORMATION - International transport regulations

<b>UN number:</b>	NA
<b>Hazchem</b>	Not regulated.
<b>Class or Division:</b>	Not a Dangerous Good.
<b>Subsidiary Class:</b>	
<b>Packing Group:</b>	
<b>Marine Pollutant:</b>	No
<b>Proper shipping name:</b>	NA

**Other Information:**

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## 15. REGULATORY INFORMATION

<b>ACVM Registered Number:</b>	<b>P005890</b>
<b>HSNO Approval Code:</b>	<b>HSR000798</b>

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## 16. OTHER INFORMATION

<b>Additional information:</b>	<b>Original Issue Date:</b> 22 December 2005 <b>Revision Date:</b> 6 December 2021 <b>Replaces:</b> ES522
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