

Infosafe No™ 3NUGM	Issue Date : September 2016	ISSUED by NUFARMNZ
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 Product Name **REGULEX® 10SG**

1. Identification

GHS Product Identifier	REGULEX® 10SG
Product Code	04525
Product Type	Plant Growth Regulator
Company Name	Nufarm NZ
Address	6 Manu Street, Otahuhu Auckland 2024 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150 Fax: 0-9-270-4159
Emergency phone number	0800 651 911
Email	info@nz.nufarm.com
Recommended use of the chemical and restrictions on use	A plant growth regulator containing natural gibberellins that improves apple quality by reducing fruit russet and cracking and increases the production of flowers (strobili) in radiata pine and other miscellaneous uses as described on the label.
Other Information	This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

2. Hazard Identification

Other Information	6.4A eye irritant, TOXICITY Harmful - may cause eye irritation.
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3. Composition/information on ingredients

Chemical Characterization	Solid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Proprietary ingredients	Not available	900g/kg
	Gibberellin A4 with gibberellin A7	8030-53-3	100g/kg

4. 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	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Skin	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
Eye contact	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Remove contact lenses, if present and easy to do. Seek medical assistance even if there are no immediate symptoms.
First Aid Facilities	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material. Water fog, foam, carbon dioxide or dry chemical.
Special Protective Equipment for fire fighters	Full protective clothing and self-contained breathing apparatus.

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Specific Methods	Keep up wind. Do not allow washings to reach sewage or effluent systems. Keep containers cool with water spray.
Other Information	Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable

6. Accidental release measures

Spills & Disposal	Wear protective clothing. Clear area of unprotected personnel. Sweep up solids without generating dust (use water to dampen). Contain and absorb liquid spills with inert material and place in waste containers. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling	Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: Not applicable TRACKING: Is not required RECORD KEEPING: Not applicable
Conditions for safe storage, including any incompatibilities	Keep out of reach of children. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
Other Information	Always read the label and any attached leaflet before use. Aggregate Storage Volume Thresholds: When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
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 safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots.
Hygiene Measures	Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work. Wash splashes of concentrate from skin immediately.

9. Physical and chemical properties

Form	Solid
Appearance	White granular pellet
Odour	Very mild, sweet, fruity estery
Solubility in Water	Soluble
Specific Gravity	0.55 ± 0.05g/mL
pH	3.6 (1% aqueous solution)
Other Information	(SG) Water Soluble Granule

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of handling and storage.
Hazardous Polymerization	Hazardous polymerisation will not occur.

11. Toxicological Information

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Toxicology Information	No specific toxicological data is available for this product. Data below is for constituents.
Acute Toxicity - Oral	LD50 (rat)= >5,000mg/kg for GA4/A7 technical powder
Acute Toxicity - Dermal	LD50 (rabbit)= >5,000mg/kg for GA4/A7 technical powder
Acute Toxicity - Inhalation	Not determined.
Skin Sensitisation	Not a skin sensitiser.
Carcinogenicity	Components of this product are not listed as carcinogens by NTP, IARC or OSHA.
Serious eye damage/irritation	Minimally irritating, all ocular irritation cleared within 48 hrs (rabbit)
Skin corrosion/irritation	Slightly irritating (rabbit)

12. Ecological information

Persistence and degradability	Product is readily biodegradable. Direct aqueous photolysis is not a significant degradation pathway (<20% direct photolysis in 30 days)
Bioaccumulative Potential	Not bioaccumulative. Log Pow for GA4 = 1.76 Log Pow for Ga7 = 1.55
Acute Toxicity - Fish	LC50 (96hr) rainbow trout = >96 mg/L
Acute Toxicity - Algae	No adverse effect on algae growth, NOEC >100mg/L (Pseudokirchneriella subcapitata)
Other Information	Bird: LC50 acute oral for Northern bobwhite = >2,250 mg/L Bees: LD50 (contact, acute) = >100µg/bee Earthworm: LC50 for Eisenia fetida = >1,250 mg/kg dry soil Aquatic invertebrates: EC50(48hr) for water flea = > 97mg/L

13. Disposal considerations

Product Disposal	Dispose of product only by using according to the label, or at an approved landfill.
Container Disposal	Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

14. Transport information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
Storage and Transport	Not classified as Dangerous Goods for transport in New Zealand.
Other Information	Do not carry more than 3kg of REGULEX 10SG on a passenger service vehicle.

15. Regulatory information

National and or International Regulatory Information	Registered pursuant to the ACVM Act 1997, No. P7171 See www.foodsafety.govt.nz for registration conditions Approved pursuant to the HSNO Act 1996, Approval Code HSR001681 See www.epa.govt.nz for approval controls.
Packaging & Labelling	HARMFUL - keep out of reach of children
Hazard Rating Systems	NFPA/HMIS: 1-1-0
Other Information	BioGro Organic Certification: 'Permitted Input'. BioGro Number: 4027 . Agriquality Certified Full Organic No. NZ0390

16. Other Information

Date of preparation or last revision of SDS	July 2007
Contact Person/Point	IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE 24Hr Tollfree Emergency No: 0800 651 911 24Hr Emergency No: National Poisons Centre Phone: 0800 764 766



Safety Data Sheet

infosafe
CS: 1.7.2

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Revisions Product re-instated. Minor changes made.

Highlighted

Other Information Supersedes SDS issued July 2007

...End Of MSDS...

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