

Infosafe No™ 3NU90	Issue Date : June 2016	ISSUED by NUFARM
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Product Name **CORASIL Plant Growth Regulator**

Classified as hazardous

1. Identification

GHS Product Identifier	CORASIL Plant Growth Regulator
Product Code	5161
Product Type	Plant Growth Regulator
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia
Telephone/Fax Number	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001
Emergency phone number	1800 033 498 (24hr Australia)
Recommended use of the chemical and restrictions on use	A plant growth regulator for the improvement of the size of orange and mandarin fruits 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	AH1 Aspiration Hazard: Category 1 CA2 Carcinogenicity: Category 2 ED1 Eye Damage/Irritation: Category 1 SC-2 Skin Corrosion/Irritation: Category 2 SE-3NARC STOT Single Exposure Category 3 (narcotic) FL4 Flammable Liquids: Category 4
Signal Word (s)	DANGER
Hazard Statement (s)	H304 May be fatal if swallowed and enters airways. H351 Suspected of causing cancer. H318 Causes serious eye damage. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. AUH066 Repeated exposure may cause skin dryness or cracking H227 Combustible liquid
General Precautionary Statement (s)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Health hazard, Corrosion, Exclamation mark, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



Precautionary statement – Prevention	P202 Do not handle until all safety precautions have been read and understood. P281 Use personal protective equipment as required. P280 Wear protective gloves/protective clothing/eye protection/face protection. P264 Wash hands and exposed skin thoroughly after handling. P261 Avoid breathing vapours and spray.
Precautionary statement – Response	P308+P313 IF exposed or concerned: Get medical advice/attention. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.

Infosafe No™ 3NU90	Issue Date : June 2016	ISSUED by NUFARM
--------------------	------------------------	------------------

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Other Information

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
Poisons Schedule S6

3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Dichlorprop-P (present as 2 ethyl hexyl ester)	865363-39-9	25 g/L
	Liquid Hydrocarbon		773 g/L

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, 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. If vomiting occurs, solvent present may cause pulmonary pneumonitis.

5. Fire-fighting measures

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Hazards from Combustion Products	May emit toxic smoke and fumes if involved in fires or exposed to extreme heat.
Special Protective Equipment for fire fighters	Breathable air apparatus must 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. On-site disposal of concentrate is not acceptable. Dispose of at a landfill in accordance with local regulations.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.

7. Handling and storage

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

8. Exposure controls/personal protection

Occupational exposure limit values	The manufacturer of the solvent has recommended an occupational exposure limit of 100 mg/m ³ ; 15ppm TWA, as total hydrocarbon.
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.

Infosafe No™ 3NU90	Issue Date : June 2016	ISSUED by NUFARM
--------------------	------------------------	------------------

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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.
Hygiene Measures	Re-entry period: Do not enter treated area until spray has dried. 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	Pale yellow liquid
Odour	Typical aromatic odour
Solubility in Water	Forms an emulsion in water.
Specific Gravity	0.914
Vapour Pressure	0.11 mPa (25°C, estimated for dichlorprop-P 2EHE)
Partition Coefficient: n-octanol/water	Kow Log P is 6.54 (25°C estimated for dichlorprop-P 2EHE)
Flash Point	68°C
Flammability	Combustible liquid C1. (AS1940). Combustible Liquid (GHS).

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) 3800 mg/kg for a similar formulation
Acute Toxicity - Dermal	LD50 (rat) >2000 mg/kg for a similar formulation
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >5.2 mg/l for a similar formulation
Ingestion	Ingestion of the concentrate in relatively large amounts can result in headache, nausea, lethargy, motor weakness and incoordination.
Inhalation	When applying the product as a spray avoid breathing in spray mist. High vapour concentrations of the solvent while handling the concentrate are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, and may have other central nervous system effects.
Skin	Prolonged contact with the concentrate can cause defatting of the skin and may result in skin irritation.
Eye	The concentrate may cause severe irritation of the eyes unless washed off immediately.
Skin Sensitisation	Prolonged and repeated skin contact may result in skin sensitisation.
Chronic Effects	Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
Serious eye damage/irritation	The product is an eye irritant.
Other Information	The Australian Acceptable Daily Intake (ADI) for dichlorprop-P for a human is 0.03 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 2015).

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12. Ecological information

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

Environmental Protection Spray drift should be avoided, read the label for more information.

Acute Toxicity - Fish LC50 (96hr) for bluegill sunfish is 16 mg/l for dichlorprop 2EHE
LC50 (96hr) for rainbow trout is 11 mg/l for dichlorprop-P 2EHE

Acute Toxicity - Daphnia EC50 (48hr) for daphnia magna is >1.5 mg/l for dichlorprop-P 2EHE.

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, puncture or shred and bury containers in local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. 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.

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 Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Regulatory Information WHS Schedule 11: item 10 - Flammable Liquid category 4 .

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: 59999.

16. Other Information

Date of preparation or last revision of SDS Revised 23/06/2016.
This SDS replaces document dated August 2013.

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.
...End Of MSDS...



Safety Data Sheet

infosafe
CS: 1.7.2

Page: 5 of 5

Infosafe No™ 3NU90

Issue Date : June 2016

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