

## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Richgro Mulch products  
**Other Names:** Pro Mulch, Green Grub Mulch, Moisture Plus Mulch and others  
**Product Use:** General horticulture and landscaping purpose  
**Company Name:** Richgro Garden Products  
**Company Address:** 203 Acourt Road, Jandakot, WA 6164  
**Telephone Number:** (08) 6258 7100 or Toll free 1800 455 132  
**Fax Number:** (08) 9455 1297 or Toll free 1800 671 297  
**Email:** customerservice@richgro.com.au  
**This version issued:** October 2016 and is valid for 5 years from this date

### SECTION 2 – HAZARD(S) IDENTIFICATION

#### Statement of Hazardous Nature

This product is classified as Hazardous according to the criteria of SWA.

**SUSMP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

**UN Number:** None allocated



#### GHS Signal word: WARNING

Acute Toxicity Oral Category 4  
Acute Toxicity Dermal Category 4  
Acute Toxicity Inhalation Category 4

#### HAZARD STATEMENT:

H302: Harmful if swallowed.  
H312: Harmful in contact with skin.  
H332: Harmful if inhaled.

#### PREVENTION

P261: Avoid breathing dust / mists, vapours or spray.  
P264: Wash contacted areas thoroughly after handling.  
P271: Use only outdoors or in a well ventilated area.  
P281: Use personal protective equipment as required.

#### RESPONSE

P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P381: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P363: Wash contaminated clothing before reuse.

#### STORAGE

P402: Store in dry place.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P420: Store away from other materials. (food, drink and animal feeding materials)

#### DISPOSAL

P501: Dispose of small quantities and empty containers for disposal as trade waste in accordance with local authority guidelines. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service. Clean up personnel should vacuum or wet sweep to avoid dust dispersal.

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### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc.%
Blend of raw or pasteurized/composted natural organic materials with added mineral substances	None Allocated	100%

### SECTION 4 - FIRST AID MEASURES

#### General Information:

<b>Inhalation:</b>	Remove affected person from exposure to a well ventilated area. If irritation persists seek medical attention.
<b>Skin Contact:</b>	Wash skin with soap and plenty of water. If irritation persists seek medical attention.
<b>Eye Contact:</b>	Irrigate immediately with plenty of lukewarm water for at least 15 minutes and if irritation persists seek medical attention.
<b>Ingestion:</b>	Wash out mouth with water. Seek medical attention.
<b>Advice to Doctor:</b>	Treat symptomatically.

### SECTION 5 - FIRE FIGHTING MEASURES

<b>Flammability:</b>	Non Flammable.
<b>Extinguishing Media:</b>	Water or Class A extinguishers for fire fighting if necessary.
<b>Hazard from Combustion Media:</b>	No information available.
<b>Hazchem Code:</b>	None allocated.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Methods and Materials for containment and clean up:</b>	Wear full protective clothing and personal protection. Carefully and promptly clean up the spill and collect the material into suitable containers and hold for reuse/recycle or disposal in accordance with local authority guidelines. Prevent run-off into drains and waterways.
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### SECTION 7 - HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes and skin. Avoid breathing dust and/or liquid mists (bioaerosols). Wash your hands carefully after handling this product. Wash work clothes regularly.
<b>Storage:</b>	Store in a cool, dry and well ventilated area. Keep away from food, drink and animal food stuffs. Clean up by wet sweeping and/or vacuuming.

### SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>National Exposure Standards</b>	There are no specific exposure standards that have been allocated for mulch products. General recommendation exposures for dust not otherwise specified are: <b>Total Inhalable Dust:</b> 10mg/m <sup>3</sup> (National Occupational Health & Safety Commission 2004, NOHSC). <b>Total Respirable Dust:</b> 2mg/m <sup>3</sup> (American Conference of Governmental Occupational Hygienists, 1986, ACGIH).
<b>Biological Limit Values:</b>	None allocated.
<b>Engineering Controls:</b>	Use in open or well ventilated areas. All work with this product should be carried out with precautions to avoid skin and eye contact and minimise exposure to dust.
<b>Personal Protective Equipment:</b>	The following Australian Standards will provide general advice regarding safety clothing and equipment. Respiratory equipment: <b>AS/NZS 1715</b> , Protective Gloves: <b>AS 2161</b> , Occupational Protective Clothing: <b>AS/NZS 4501 set 2008</b> , Industrial Eye Protection: <b>AS1336</b> and <b>AS/NZS 1337</b> , Occupational Protective Footwear: <b>AS/NZS 2210</b> .

**Always wash your hands thoroughly after working with Mulch Products**

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### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

<b>Physical Description &amp; colour:</b>	Blend of naturally occurring organic and mineral matters, dark brown to black in colour.
<b>Odour:</b>	Earthy odour.
<b>Boiling Point:</b>	Not applicable.
<b>Freezing/Melting Point:</b>	Not applicable.
<b>Vapour Pressure:</b>	Not applicable.
<b>Vapour Density:</b>	Not applicable.
<b>Bulk Density:</b>	Varies according to composition and moisture content.
<b>Water Solubility:</b>	Not readily soluble.
<b>pH:</b>	5.0 – 8.0
<b>Flammability:</b>	Non Flammable.

### SECTION 10 - STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal conditions of storage and use.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatibilities:</b>	None known.
<b>Reactivity:</b>	None known.
<b>Hazardous reactions:</b>	None known.

### SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Health Effects:</b>	<b>Acute Health Effects</b> <b>Mulch products dust and liquid mist are recognised to be a potential health hazard.</b> This material contains a variety of living organisms, including bacteria, fungi and protozoa. People should handle these products with special care including use of all recommended protective equipment. <b>Chronic Health Effects</b> Direct contact and repeated inhalation of dust and/or liquid mists from these products may cause skin irritation or infection, respiratory irritation, inflammation or sensitisation of the nose, throat and lungs resulting in illness ranging from hay fever, asthma, bronchitis to pneumonia or other pneumonia like illnesses (e.g. <b>Legionnaire's disease</b> ). Children, pregnant woman, the elderly, people with pre-existing conditions or the immune-compromised people may be at a particular risk from these illnesses if exposed to these products. All people working with these and other horticultural and landscaping products should safeguard themselves from tetanus.
<b>Inhalation:</b>	Inhalation of any amount of dust from this product may have an immediate or delayed effect to irritate, inflame or sensitise the nose, throat and lungs, and exacerbate pre-existing conditions such as asthma and bronchitis.
<b>Skin:</b>	Any level of skin contact with this product and/or its dust may lead to immediate or delayed skin irritation, and in susceptible people may cause skin sensitisation, dermatitis or skin infection.
<b>Eye:</b>	In the event that any dose of this material or the dust comes into contact with eyes it may have an immediate or delayed irritating effect resulting in redness and watering or an infection.
<b>Swallowed:</b>	Ingestion is unlikely through normal use. However, swallowing any amounts of this product may cause immediate or delayed abdominal discomfort and increase the risk of gastro-intestinal infections.

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### SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No information available.
<b>Persistence &amp; Degradability:</b>	Naturally biodegradable.
<b>Mobility:</b>	Only mobile in significant water and wind.
<b>Environment:</b>	Do not allow product to contaminate drains, ponds, streams and other waterways.

### SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Disposal:</b>	Dispose of product by using totally or collect in containers for disposal as trade waste in accordance with local authority guidelines. Clean up personnel should vacuum or wet sweep to avoid dust dispersal.
<b>Legislation:</b>	Dispose of in accordance with relevant local legislation.

### SECTION 14 - TRANSPORT INFORMATION

<b>UN Number:</b>	None allocated.
<b>UN Proper Shipping Name:</b>	None allocated.
<b>Class and Subsidiary Risk:</b>	None allocated.
<b>Packing Group:</b>	None allocated.
<b>Precaution for User:</b>	Trucks to use tarpaulin to cover the load (for bulk deliveries). No other special storage or transport requirements necessary. Not classified as Dangerous Goods according to Australian Dangerous Goods Code.
<b>Hazchem Code:</b>	None allocated.

### SECTION 15 - REGULATORY INFORMATION

<b>Australian Regulatory Information:</b>	A Poison Schedule Number has not been allocated to this product using the criteria in the Standard for Uniformed Scheduling for Medicines and Poisons (SUSMP).
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### SECTION 16 - OTHER INFORMATION

**This SDS contains only safety-related information - for other data see Product Specification.**

<b>Acronyms:</b>	
<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>pH</b>	Relates to hydrogen ion concentration – this value will relate to a scale of 0 – 14 where 0 is highly acidic and 14 is high alkaline
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>t/m3</b>	Tonnes per cubic metre
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

**Please read all labels carefully before using product**