



Section 1 - Identification of the Material and Supplier

Evergreen Garden Care Australia Pty Ltd
Building E, Level 2, 24-32 Lexington Drive
Bella Vista NSW 2153

Phone: 02 8602 9000
Emergency Phone: 1800 033 111
Fax: 02 8602 9001

Chemical nature: Granulated charcoal
Trade Name: Debco Horticultural Charcoal
Product Use: Fertiliser additive
Creation Date: March, 2020
This version issued: March, 2020 and is valid for 5 years from this date.
Poisons Information Centre: Phone 13 11 26 from anywhere in Australia

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is not classified as hazardous according to the criteria of SWA.

This product has been tested and is not classified as a Dangerous Goods according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

SUSMP Classification: None allocated.

ADG Classification: Non-dangerous goods.

UN Number: None allocated

Emergency Overview

Physical Description & Colour: Black granules (particle size <5 mm)

Odour: Odourless or slightly smoky odour.

Major Health Hazards: Dust from the product may be irritating to eyes, respiratory system and skin, and harmful if ingested in large quantities.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
Carbon (plant derived)	7440-44-0	80-90% -dry	not set	not set
Minerals (plant derived)	N/A	5-10% -dry	not set	not set
Water	7732-18-5	35%	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned or become unwell after using this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: If dust from product is inhaled, remove victim to fresh air. Seek medical assistance in case of known or possible overexposure to this material or with symptoms including chest pain, difficulty breathing, loss of consciousness, or other adverse effects, which may be delayed. If breathing has stopped, start basic life support and seek immediate medical attention. Advice to Doctor: Treat symptomatically.

Skin Contact: If product contacts skin and causes skin irritation, remove contaminated clothing and wash affected area thoroughly with water. Seek medical attention if skin irritation occurs. Skin irritation may be immediate or delayed. Do not use a chemical neutraliser.

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Eye Contact: If dust particles from the product come into contact with eyes, immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Ingestion: If a large amount of product is swallowed, or if symptoms develop, contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually fine dust dispersed in air in sufficient quantities, and in the presence of an ignition source is a potential dust explosion hazard.

This product is non-flammable in normal condition. May smoulder if exposed to heat over 550°C.

Extinguishing Media: Use appropriate media for surrounding fire.

Fire Fighting: No special fire-fighting measures. Water needs to be available for quenching

Flash point: NA.

Section 6 - Accidental Release Measures

Accidental release: Contain spill. Sweep up spills and return to contain for re-use. Excess moisture is non-toxic. Wash down spill area with water to remove traces of the material.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. Observe good personal hygiene. Prohibit eating, drinking and smoking when handling product. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store in a cool, well ventilated area. Do not store near open flame or sources of ignition.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Ventilation: Avoid inhalation. Ensure sufficient ventilation to maintain airborne concentrations below exposure standards and avoid exposure to dust by preventing biochar to completely dry out. Store sealed to prevent hygroscopic absorption of chemicals or gases.

Eye Protection: Protective glasses or goggles should be worn when this product is being used, and/or a face shield. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection: Prevent skin contact by wearing protective gloves and overalls.

Protective Material Types: There is no data that enables us to recommend any type except that it should be impermeable.

Respirator: Use approved dust masks or respirators when exposure level may approach the threshold level limit (TLV).

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Black granular material (particle size <5 mm)
Odour:	Odourless or slightly smoky odour.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Solid at normal temperatures.
Moisture content:	Approx. 35%
Water Solubility:	Insoluble. Not soluble in water.
pH:	NA.
Dry Bulk Density:	250 kg/m ³ .

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Section 10 - Stability and Reactivity

Reactivity: This product is stable unless released as a dust, keep moist.

Conditions to Avoid: This product should be kept in a cool place. Keep containers tightly closed. Keep away from heat, flames and sparks. Avoid dust formation, and high temperatures above 180°C.

Incompatibilities: Will react with strong oxidising agents.

Hazardous Decomposition Products: Combustion forms carbon dioxide, and carbon monoxide. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

The product is an irritant. Use safe work practices to avoid eye or skin contact and inhalation. Inhalation of product dust may cause over prolonged periods serious delayed lung injury.

Inhalation: Irritating to the respiratory system. Allergic reaction can occur following repeated contact. Symptoms might include rhinitis, sneezing, itching or signs similar to asthma such as coughing, wheezing or difficulty breathing, which may occur following repeated inhalation.

Eye Contact: Irritation can occur following direct contact. Symptoms might include redness, swelling, blurred vision or pain.

Ingestion: Ingestion of large amounts may irritate the gastric system.

Skin Contact: Irritant. Allergic skin reaction can occur following direct contact. Symptoms include skin rash, itching, redness and swelling of the skin, lips, tongue and face. Long exposure could aggravate existing skin conditions.

Long Term Exposure: No data for health effects associated with long term exposure to product.

Section 12 - Ecological Information

Considered low risk. Can generate alkaline leachate which can potentially cause adverse effects to receiving environments. Do not contaminate waterways.

Section 13 - Disposal Considerations

Disposal: No special disposal requirements. Dispose of product according to relevant local, state and federal government regulations at an approved waste disposal site.

Section 14 - Transport Information

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

This product has been tested according to "United Nations Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria Part III - 33.3.1.3" and is not classified as a Class 4.2 dangerous good.

Section 15 - Regulatory Information

Poison Schedule: Not scheduled.

AICS: Not listed on the Australian Inventory of Chemical Substances (AICS).

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS Australian Inventory of Chemical Substances

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Issued by: Evergreen Garden Care Australia Pty Ltd

Phone: 02 8602 9000

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)



SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	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.

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