

**MATERIAL SAFETY DATA SHEET**

21/12/2009

**BENEDICT RECYCLING *Recycled Fill Soil, Recovered Fines***

**Section 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

**PRODUCT NAME**

**BENEDICT RECYCLING *Recycled Fill Soil, Recovered Fines***

**PRODUCT USE**

May be blended with natural quarried soils to produce manufactured soils such as Fill Soil, Recycled Topsoil, No.2 Topsoil, Recovered Topsoil, Turf Underlay, Recycled Turf Underlay, Filling Soil, Everyday Soil, Organic Turf Underlay. The 'continuous process' recovered fines can only be applied to land for the purpose of construction or landscaping.  
The product is manufactured in accordance with the recovered fines exemption criteria issued by the Department of Climate Change and Water (DECC) for further information on uses please refer to the DECC website [www.environment.nsw.gov.au/waste/RRecoveryExemptions.htm](http://www.environment.nsw.gov.au/waste/RRecoveryExemptions.htm)  
The recycled soils supplied by Benedict's have been sampled and tested to comply with the "continuous process" recovered fines exemption April 2009, as per the Protection of the Environment Operations (Waste) Regulation 2005 – General Exemption Under Part 6, Clause 51 and 51A.

**SUPPLIER**

Company: Benedict Recycling Pty Ltd

**Address**

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**Section 2 - HAZARDS IDENTIFICATION**

**STATEMENT OF HAZARDOUS NATURE**

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to NOHSC Criteria, and ADG Code.

**POISONS SCHEDULE**

None

**RISK**

- None under normal operating conditions.

**SAFETY**

- Do not breathe dust.
- Avoid contact with skin.

**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

NAME	CAS RN	%
<i>soil non hazardous</i>		<60
<i>sand non hazardous</i>		
May contain concrete, brick dust, roof tiles, cement, brickies' sand & plasterboard particles		
The product is certified to be free of asbestos fibres according to AS4964.		

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#### Section 4 - FIRST AID MEASURES

**SWALLOWED**

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**EYE**

If this product comes in contact with eyes:

- Wash out immediately with water.
- If irritation continues, seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**SKIN**

If skin or hair contact occurs:

- Brush off dust.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

**INHALED**

- If dust is inhaled, remove from contaminated area.
- Encourage patient to blow nose to ensure clear passage of breathing.
- If irritation or discomfort persists seek medical attention.

**NOTES TO PHYSICIAN**

- Treat symptomatically.

#### Section 5 - FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA**

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

**FIRE FIGHTING**

- Non combustible.
- Use fire fighting procedures suitable for surrounding area.

**FIRE/EXPLOSION HAZARD**

- Non combustible.

**FIRE INCOMPATIBILITY**

- None known

**HAZCHEM**

- None

**PERSONAL PROTECTION**

- |                   |                                  |
|-------------------|----------------------------------|
| <b>Glasses</b>    | Safety Glasses.                  |
| <b>Gloves</b>     | When handling larger quantities: |
| <b>Respirator</b> | Particulate                      |

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**Section 6 - ACCIDENTAL RELEASE MEASURES**

**MINOR SPILLS** | Sweep/Shovel up.  
Moisten to stop the generation of dust.

**MAJOR SPILLS** | Sweep/Shovel up.  
Moisten to stop the generation of dust.

**Personal Protective Equipment advice is contained in Section 8 of the MSDS.**

**Section 7 - HANDLING & STORAGE**

**PROCEDURE FOR HANDLING** | No special handling procedures required.

**SUITABLE CONTAINER** | Not applicable.  
Supplied in bulk.

**STORAGE INCOMPATIBILITY** | None known.

**STORAGE REQUIREMENTS** | No special storage precautions required.

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**Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**MATERIAL DATA**

**BENEDICT RECYCLING *Recycled Fill Soil, Recovered Fines:***

REL TWA: 10 mg/m<sup>3</sup> inspirable dust (nuisance dust)

**PERSONAL PROTECTION**

**EYE**

- None required when handling small quantities.

**Otherwise:**

- Safety glasses with side shields.

**HANDS/FEET**

- Wear physical protective gloves, eg. leather.
- Wear safety footwear.

**OTHER**

- No special equipment needed when handling small quantities.

**Otherwise:**

- Overalls.
- Barrier cream.
- Eyewash unit.

**RESPIRATOR**

Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
10 x ES	PI Air-line*	-	PAPR-P1 -
50 x ES	Air-line**	P2	PAPR-P2
100 x ES	-	P3	-
		Air-line*	-
100+ x ES	-	Air-line**	PAPR-P3

\* - Negative pressure demand \*\* - Continuous flow.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult site specific CHEMWATCH data (if available), or your Occupational Health and Safety Advisor.

**ENGINEERING CONTROLS**

General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas.

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#### Section 9 - PHYSICAL & CHEMICAL PROPERTIES

**APPEARANCE** | Silty sand-brown slightly gravely silty / clayey sand. Typical particle size of 100% less than 9.5mm.

**PHYSICAL PROPERTIES** | Does not mix with water.

<b>State</b>	Divided Solid	<b>Molecular Weight</b>	Not Applicable
<b>Melting Range (°C)</b>	Not Applicable	<b>Viscosity</b>	Not Applicable
<b>Boiling Range (°C)</b>	Not Applicable	<b>Solubility in water (g/L)</b>	Immiscible
<b>Flash Point (°C)</b>	Not Applicable	<b>pH (1% solution)</b>	Not Applicable
<b>Decomposition Temp (°C)</b>	Not Available	<b>pH (as supplied)</b>	Not Applicable
<b>Autoignition Temp (°C)</b>	Not Available	<b>Vapour Pressure (kPa)</b>	Not Applicable
<b>Upper Explosive Limit (%)</b>	Not Applicable	<b>Specific Gravity (water=1)</b>	Not Applicable
<b>Lower Explosive Limit (%)</b>	Not Applicable	<b>Relative Vapour Density (air=1)</b>	Not Applicable
<b>Volatile Component (%vol)</b>	Not Applicable	<b>Evaporation Rate</b>	Not Applicable

#### Section 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION

**CONDITIONS CONTRIBUTING TO INSTABILITY** | Product is considered stable and hazardous polymerisation will not occur. For incompatible materials - refer to Section 7 - Handling and Storage.

#### Section 11 - TOXICOLOGICAL INFORMATION

**POTENTIAL HEALTH EFFECTS**

**ACUTE HEALTH EFFECTS**

**SWALLOWED**

- Considered to be non toxic. Not normally a hazard due to the physical form of product. The material is a physical irritant to the gastro-intestinal tract.

**EYE**

- Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may cause transient discomfort characterised by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result. The material may produce foreign body irritation in certain individuals.

contd.

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### BENEDICT RECYCLING *Recycled Fill Soil, Recovered Fines*

#### Section 11 - TOXICOLOGICAL INFORMATION Contd.

##### POTENTIAL HEALTH EFFECTS

##### ACUTE HEALTH EFFECTS

##### SKIN

- The material is not thought to be a skin irritant (as classified by EC Directives using animal models). Abrasive damage however, may result from prolonged exposures. Good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

##### INHALED

- Generated dust may be discomforting. Inhalation of dust may aggravate a pre-existing respiratory condition such as asthma, bronchitis, emphysema.

##### CHRONIC HEALTH EFFECTS

- Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis; caused by particles less than 0.5 micron penetrating and remaining in the lung. Prime symptom is breathlessness; lung shadows show on X-ray.

##### TOXICITY & IRRITATION

- Not available. Refer to individual constituents.

#### Section 12 - ECOLOGICAL INFORMATION

Refer to data for ingredients, which follows:

##### BENEDICT RECYCLING *Recycled Fill Soil, Recovered Fines*:

- Not harmful to the environment.

#### Section 13 - DISPOSAL CONSIDERATIONS

- No disposal restrictions. Can be disposed of at any authorised landfill.

#### Section 14 - TRANSPORTATION INFORMATION

##### HAZCHEM

None (ADG7)

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:ADG7, UN, IATA, IMDG

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### BENEDICT RECYCLING *Recycled Fill Soil, Recovered Fines*

#### Section 15 - REGULATORY INFORMATION

**POISONS SCHEDULE**

None

**REGULATIONS**

No data for Benedict Recycling Recycled Fill Soil, Recovered Fines (CW: 4695-98)

#### Section 16 - OTHER INFORMATION

- Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:  
[www.chemwatch.net/references](http://www.chemwatch.net/references)

- The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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This is the end of the MSDS.