



Environmental Solutions for our Future



AUSTRALIAN OWNED

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## MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet was created in accordance with the criteria specified by Australia's National Occupational Health and Safety Commission's National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC: 2011 (1994)].

This product is wholly manufactured In Australia by Enretech Australasia Pty Ltd.

Date of Issue: Issue #6, revised Jan. 2002

Statement of Hazardous Nature: *Not classified as hazardous according to criteria of NOHSC Australia.*

### 1. IDENTIFICATION

<b>Product Name:</b>	Premium Floor Sweep	<b>UN Number:</b>	None Allocated
<b>Other Names:</b>	None	<b>Hazchem Code:</b>	None Allocated
<b>Product Code:</b>	020-023	<b>Poisons Schedule #:</b>	None Allocated
<b>Dangerous Goods Class:</b>	None Allocated	<b>NATO Stock #:</b>	4235-01-440-7191

**Use:** A natural agricultural cellulose product for the absorption and encapsulation of hydrocarbon-based and water based liquid spills on hard surfaces. Contains no pesticide residues.

#### Physical Description/Properties:

Appearance:	brown, fibrous, odourless powder	Solubility in Water (g/L):	Insoluble
Boiling Point at 760 mm Hg (°C):	Not Relevant	Flash Point (°C):	Not Relevant
Melting Point at 760 mm Hg (°C):	Not Available	Bulk Density:	0.364 g/mL
Vapour Pressure @ 25 °C (mm Hg):	Not Relevant	Auto-ignition Temperature:	>260 °C
LEL:	50,000 mg/m <sup>3</sup> in air	UEL:	Not Available

#### Other Properties:

Corrosiveness:	No Hazard	Particle Size (µm):	97% >10, 0.6% <1
Oxidising Properties:	No Hazard	Settling Rate in Air (minutes):	2 - 15
Reactivity:	No Hazard under normal use	Percent Volatiles (%):	0
Odour Threshold:	Not Available	pH:	4-6 in water

**Ingredients:** The ingredients listed are NOT considered hazardous in the quantities present and are considered proprietary information.

<u>Chemical Entity</u>	<u>CAS No:</u>	<u>Proportion (%):</u>
Treated Cellulosic waste material derived from the cotton plant.	9004-34-6	75-80
Other Cellulosic material	Not Available	18-20
Proprietary Ingredients	Not Available	2-4

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## 2. HEALTH HAZARD INFORMATION

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**Health Effects:****Acute:**

Swallowed: Unlikely as an exposure route. As the product is mostly natural cellulose, it is physiologically inert, and non-harmful if swallowed. Bacteria typically found on agricultural products may be present, and are not considered harmful.

Eye: Dust particles may cause mechanical irritation, resulting in redness.

Skin: Absorption through skin not an exposure route. Unlikely to be a skin irritant. Repeated skin contact may cause redness. In some individuals, overexposure may aggravate an existing medical condition, or skin sensitivity.

Inhaled: Inhalation of high dust levels may cause irritation to the mucous membranes of the nose, throat & respiratory tract. Persons with a history of respiratory illness should not be exposed to conditions where significant levels of dust are likely. Toxicity testing resulted in an estimated 96-hr LC50 value in excess of 100,000 mg/m<sup>3</sup> of air, indicating that the dust is non-toxic.

**Chronic:** No data available.

**First Aid:**

Swallowed: Thoroughly rinse mouth with water. Drink a glass of water. Do not induce vomiting. If discomfort arises, seek medical attention.

Eye: Hold eyes open, flooding with water for at least 15 minutes. Seek medical attention if irritation persists.

Skin: If irritation or redness results from prolonged skin contact, seek medical attention.

Inhaled: If encountering respiratory difficulties, remove from dusty area and into fresh air, if possible. Seek medical attention if effects persist.

First Aid Facilities: Sterile eyewash solution for treatment of nuisance dusts.

**Advice to Doctor:** Treat symptomatically.

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## 3. PRECAUTIONS FOR USE

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**Exposure Standards:**

Australia NOHSC: 1003(1995): 10 mg/m<sup>3</sup> (cellulose – inspirable dust)

OSHA-PEL: 15 mg/m<sup>3</sup> (cellulose – total dust), 5 mg/m<sup>3</sup> (cellulose – respirable dust)

ACGIH-TLV: 10 mg/m<sup>3</sup> (cellulose – total dust)

**Engineering Controls:**

No special ventilation is required under normal use. If handling large amounts of material in an enclosed area, the use of exhaust ventilation may be necessary to keep dust levels as low as possible.

**Personal Protective Equipment:**

Eye: Eye protection not needed under normal conditions. Goggles are recommended only if significant dust levels in air.

Skin: Gloves not needed under normal conditions. Cloth gloves are recommended only if handling large quantities of powder.

Respiratory: Dust mask not necessary under normal conditions. Disposable 2-strap half-face dust mask recommended if exposure to high concentrations of dust is likely. Respirators and their use should comply with Australian Standards AS 1716 and AS 1715.

Other: Other protective clothing not required under normal conditions. Coveralls are recommended only if handling large quantities of powder.

**Flammability:** Not flammable under conditions of normal use (as per USEPA 1030). Explosion is possible only if ambient concentration exceeds 50 g/m<sup>3</sup>.

**Reactivity:** Not reactive under conditions of normal use. As the sorbent is a combustible organic material, it is incompatible with oxidisers. Contact with strong oxidisers could result in ignition of sorbent. Can be used for absorbing acids and alkalis, but Enretech Acid Absorbent and Alkasorb are recommended instead, as they have been specifically designed to absorb these types of liquids. Will not polymerise.

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#### 4. SAFE HANDLING INFORMATION

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- Storage:** Observe storage instructions on container. Keep container in a dry, cool, ventilated area. Avoid dispersal of dust. Will not spontaneously combust, even when stored in large quantities.
- Transport:** Not classified as a Dangerous Good. No special transport requirements necessary. If decanting material, ensure containers are adequately labelled.
- Spills:**
- General:** Wear appropriate protective equipment (See "Precaution for Use" section) to prevent exposure. Material can be safely flushed to sewer.
- Small Spills:** Sweep up but avoid generating ambient dust.
- Large Spills:** Collect and place in clean, labelled containers for disposal.
- Disposal:** This product is a natural cellulose material and can either be discarded into landfill, incinerated by approved agents, or degraded via commercial composting. Under normal circumstances, if the product has been used to absorb small quantities of light-medium weight petroleum hydrocarbons, the mixture can be discarded into solid waste landfill (regular garbage). However, always consult your applicable State Waste Management authority to ensure proper disposal practices.

**Fire/Explosion Hazard:**

Does not easily ignite and will not propagate a flame as per USEPA 1030. If burning, fire-fighters to treat as a wood fire. Combustion by-products include carbon monoxide, carbon dioxide and acrid smoke. No hazardous decomposition products are known. Extinguishing media include: water spray, carbon dioxide or dry chemical powder.

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#### 5. OTHER INFORMATION

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This product is manufactured in Australia from a treated cotton waste stream and from other natural cellulose fibres. The powder may contain naturally occurring bacteria and fungi indigenous to agricultural environments. This product has been tested and does not contain bacteria considered harmful to humans, nor to flora or fauna. The product is 100% fully biodegradable and contains 97.5% recycled content.

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#### 6. CONTACT POINT

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<b>ADVICE NOTE:</b>
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This Material Safety Data Sheet (MSDS) 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 MSDS and consider the information in the context of how the product will be handled and used in the workplace. When used for liquid spill clean-up, sorbents tend to take on the characteristics of the liquid they have absorbed. Thus, always consult the MSDS of the spilled liquid prior to absorption with Premium Floor Sweep.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. 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.