

# (MATERIAL) SAFETY DATA SHEET

This Material Safety Data Sheet was created in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC:2011(2003)] and complies with the GHS for the Classification and Labelling of Chemicals. Although this product is not classed as hazardous, this safety data sheet has been provided to facilitate workplace risk assessments and training.

Date of Issue: Issue #4, revised July 2009  
Replaces: Issue #3, revised March 2007

Trade Name: **COTTON SPONGE™ PADS (OIL ONLY)**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 Product Name:** COTTON SPONGE™ PADS (OIL ONLY)  
**Unique Reference #:** 046, 047, 048 (different sizes)  
**Other Names:** Absorbent Pad, Oil Only Pad
- 1.2 Manufacturer Name:** Enretech Australasia Pty Limited (A.B.N. 62-070 856 414)  
P.O. Box 1154, Moss Vale, NSW 2577 Australia  
Tel. 61 2 4869 3261, Fax. 61 2 4869 3264  
Email: [info@enretech.com.au](mailto:info@enretech.com.au), Internet: [www.enretech.com.au](http://www.enretech.com.au)
- 1.3 Recommended Use:** A cotton cellulose product for the absorption and encapsulation of petroleum hydrocarbon liquid spills on land or water. Oleophilic - will absorb oil in preference to water. Cannot be used for absorbing strong oxidisers.
- 1.4 Emergency Tel. #:** 61 (0)425 232 741  
Product information (Monday – Friday, 8:00am – 10:00pm EST)

## 2. HAZARDS IDENTIFICATION

Not classified as hazardous or dangerous in accordance with ASCC [NOHSC:1008(2004)], [NOHSC:10005(1999)], [ADG Code 6<sup>th</sup> Ed.].

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 Substance:** Cotton cellulosic material derived from off-spec cotton fibres  
Content: >60%  
CAS No.: 9004-34-6
- 3.2 Substance:** Proprietary Fibre  
Content: 10% - <30%  
CAS No.: Not Available

## 4. FIRST AID MEASURES

- 4.1 Eye Contact:** No special measures necessary.
- 4.2 Skin Contact:** No special measures necessary.
- 4.3 Ingestion:** Thoroughly rinse mouth with water. Drink a glass of water. Do not induce vomiting. If discomfort arises, seek medical attention.
- 4.4 Inhalation:** No special measures necessary.
- 4.5 First Aid Facilities:** No special equipment necessary.
- 4.6 Advice to Doctor:** Treat symptomatically. May aggravate existing respiratory illness.

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## 5. FIRE FIGHTING MEASURES

### 5.1 Suitable Extinguishing Media:

Suitable: Water spray, carbon dioxide or dry chemical powder.  
Unsuitable: No Restrictions.

### 5.2 Hazards from Combustion Products:

Combustion by-products include carbon monoxide, carbon dioxide and carbon (soot).

### 5.3 Precautions for Fire Fighters and Special Protective Equipment:

Combustible solid. If un-used and burning, fire-fighters to treat as a wood fire. As the pads are typically used to absorb oils and fuels, the liquid absorbed may contribute to the fire. In this case, fire-fighters to treat as an oil or fuel fire.

### 5.4 Hazchem Code:

None Allocated.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Emergency Procedures:** Spills of this material do not pose a risk to health or the environment, however avoid flushing to sewer or releasing to the environment.

### 6.2 Methods and Materials for Containment and Clean Up Procedures

No special measures necessary.

Small Spills: No special measures necessary.

Large Spills: No special measures necessary.

## 7. HANDLING & STORAGE

**7.1 Precautions for Safe Handling:** Not classified as a dangerous good or hazardous substance. No special handling requirements necessary.

**7.2 Conditions for Safe Storage:** Keep in a dry, cool, ventilated area, in closed cartons. Not to be stored near strong Oxidisers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 National Exposure Standards:

NOHSC:1003(1995/2005): 10 mg/m<sup>3</sup> (cellulose – inspirable dust) (Australia)  
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)

**8.2 Biological Limits:** No biological limit allocated.

**8.3 Engineering Controls:** No special ventilation or other controls are required under normal use.

### 8.4 Personal Protective Equipment

**Eye Protection:** Eye protection not needed under normal conditions.

**Skin Protection:** Gloves not needed under normal conditions.

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- Respiratory Protection:** Dust mask not necessary under normal conditions.
- Other Protection:** Other protective clothing not required under normal conditions. Wear appropriate safety footwear if handling large rolls of absorbent material.

## 9. PHYSICAL & CHEMICAL PROPERTIES

- 9.1 Appearance:** Light tan coloured fabric material
- 9.2 Odour:** None.
- 9.3 pH:** 7 in water.
- 9.4 Vapour Pressure:** Not Applicable.
- 9.5 Vapour Density:** Not Applicable.
- 9.6 Boiling Point:** Not Applicable.
- 9.7 Melting Point:** Not Available. (deg. C @ 760 mm Hg)
- 9.8 Solubility (in water):** Insoluble.
- 9.9 Density:** 046, 047: 213 gsm (avg), 048: 430 gsm (avg)
- 9.10 Additional Information**
- Flash Point:* Not Available.
- Auto-Ignition Temp.:* > 260 deg. C
- Percent Volatiles:* None.
- Flame Propagation:* Will propagate a flame.

## 10. STABILITY & REACTIVITY

- 10.1 Chemical Stability:** Stable under normal and anticipated storage and handling conditions of temperature and pressure.
- 10.2 Conditions to Avoid:** Not reactive under conditions of normal use. Avoid contact with ignition sources, such as during welding or cutting.
- 10.3 Incompatible Materials:** As the sorbent is an organic material, it is incompatible with strong Oxidisers.
- 10.4 Hazardous Reactions:** Contact with strong oxidisers could result in ignition of sorbent. Will not polymerise.
- 10.5 Hazardous Decomposition Products:** None, when used and handled as intended.

## 11. TOXICOLOGICAL INFORMATION

- 11.1 Acute Health Effects:** No animal toxicity data for this product is available. Product is considered to be inert and non-harmful.
- 11.2 Chronic Health Effects:** No data available. No carcinogenic compounds present. No asbestos or mineral fibres present. Not known to cause lung fibrosis.
- 11.3 Health Effects from Likely Routes of Exposure:**
- Swallowed: Unlikely as an exposure route. As the product is mostly natural cellulose, it is physiologically inert, and non-harmful if swallowed.

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Eye: No known hazard.

Skin: Absorption through skin not an exposure route. Unlikely to be a skin irritant. Repeated skin abrasion may cause redness.

Inhaled: No known hazard.

## 12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** No data available. Based on its components, it is not considered to have any degree of eco-toxicity.
- 12.2 Persistence / Degradability:** Product is 100% biodegradable in 2-5 months under aerobic conditions.
- 12.3 Mobility:** Where the product is applied in numbers over a given area of polluted water, it must be applied to an oil spill only under controlled (ie: boomed) conditions.
- 12.4 Additional Information:** *As the product is manufactured from off-spec cotton fibres, it does not cause any adverse environmental effects and does not bioaccumulate.*

## 13. DISPOSAL CONSIDERATIONS

- 13.1 Disposal Methods:** This product is a cotton cellulose material and un-used material can either be discarded into regular garbage, incinerated by approved agents, or biodegraded via commercial composting. Avoid discarding to sewer. Empty product bags (paper or plastic) should be recycled. This product is designed to be used as an absorbent to clean up spilled petroleum hydrocarbons from water or land. Thus, the used product should be considered to have the same properties as the liquid it has absorbed. In general, follow disposal criteria pertaining to the liquid absorbed.
- 13.2 Special Precautions for Landfill or Incineration:** Under normal circumstances, if the product has been used to absorb light to medium weight petroleum hydrocarbons (C10-C36), the solid mixture can usually be discarded into solid waste landfill. However, always consult your State Waste Management authority to ensure proper disposal practices.

## 14. TRANSPORT INFORMATION

- 14.1 UN Number:** None Allocated.
- 14.2 UN Proper Shipping Name:** None Allocated.
- 14.3 UN Class & Subsidiary Risk:** None Allocated.
- 14.4 UN Packing Group:** None Allocated.
- 14.5 Special Precautions for User:** No special precautions required for transport.
- 14.6 Hazchem Code:** None Allocated.
- 14.7 Export Information:** *This product is currently exported from Australia. No export restrictions apply.*

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## 15. REGULATORY INFORMATION

Poisons Schedule Number:	None Allocated.
National Industrial Chemicals Notification & Assessment Scheme (NICNAS):	None Allocated.
Australian Pesticides & Veterinary Medicines Authority:	None Allocated.
Therapeutic Goods Administration (TGA):	None Allocated.
Food Standards Australia New Zealand (FSANZ):	None Allocated.

## 16. OTHER INFORMATION

Enretech cotton pads are manufactured from off-spec cotton fibres. They are fully biodegradable and will readily attach to all forms of petroleum hydrocarbons on land or water. A 200 gsm or 400 gsm cotton pad have been tested to absorb up to 16 times its own weight in medium weight motor oil.

Most maritime authorities restrict the use of loose particulate materials for purposes of on-water spill response. As such, cotton pads are often the sorbent of choice, provided they are contained within the confines of booms or booming operations. Organic sorbent materials are frequently and effectively used on many oil spills and do not require EPA review or listing.

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### Contacts:

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### REFERENCES:

1. National Code of Practice for the Control of Workplace Hazardous Substances [NOHSC:2007(1994)], March 1994, ASCC Canberra ACT
2. National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC:1005(1994)], March 1994, ASCC Canberra ACT
3. Australian Dangerous Goods Code, 6<sup>th</sup> Edition, National Road Transport Commission, January 1998
4. List of Designated Hazardous Substances, [NOHSC:10005(1999)], April 1999 ASCC, Canberra ACT
5. Storage and Handling of Workplace Dangerous Goods, National Standard [NOHSC:1015(2001)], March 2001, ASCC Canberra ACT
6. Approved Criteria for Classifying Hazardous Substances, 3<sup>rd</sup> Edition, [NOHSC:1008(2004)], April 2003 ASCC, Canberra ACT
7. National Code of Practice for the Preparation of Material Safety Data Sheets, 2<sup>nd</sup> Edition, [NOHSC:2011(2003)], October 2004 ASCC, Canberra ACT
8. Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)] + Source A Updates 2005, August 2005, ASCC Canberra ACT
9. Draft National Standard for the Control of Workplace Hazardous Chemicals, September 2006, ASCC, Canberra ACT
10. Biodegradation information from Worldwise Inc., PO Box 3360, San Rafael, CA 94912-3360

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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 this product.

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.

**End of MSDS**