

(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 2nd 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 #1, revised Oct. 2010
Replaces: N/App.

Trade Name: **UNIVERSAL (GP) POLYPROPYLENE (Pads & Rolls)**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 Product Name:** **UNIVERSAL (GP) POLYPROPYLENE (Pads & Rolls)**
Unique Reference #: ENR033 (Pad 400gsm), ENR051 (Pad 200gsm), ENR050 (Roll)
Other Names: Meltblown Polypropylene, Polyolefin
- 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, Internet: www.enretech.com.au
- 1.3 Recommended Use:** Yellow coloured meltblown non-woven fabric for the absorption of both water-based and oil-based non-hazardous liquid spills on hard surfaces.
Manufactured into absorbent pads and rolls.
- 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)], [NOHSC:3008(1995)], [ADG Code 7th Ed.].

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance: Polypropylene
Content: >99 %
CAS No.: 9003-07-0
Classification: None Allocated
Risk Phrases: None Allocated

Substance: Proprietary Surfactant
Content: <1 %
CAS No.: Not Available
Classification: None Allocated
Risk Phrases: None Allocated

Substance: Pigment Yellow
Content: <0.1 %
CAS No.: 1328-53-6
Classification: None Allocated
Risk Phrases: None Allocated

(MATERIAL) SAFETY DATA SHEET

Trade Name: **UNIVERSAL (GP) POLYPROPYLENE (Pads & Rolls)**

4. FIRST AID MEASURES

- 4.1 Eye Contact:** Product is inert. No special measures necessary.
- 4.2 Skin Contact:** Product is inert. No special measures necessary. If molten material contacts skin, cool rapidly with cold water. Do not attempt to peel material from skin. Obtain medical attention to thermal burn.
- 4.3 Ingestion:** Not considered an exposure route.
- 4.4 Inhalation:** Not applicable.
- 4.5 First Aid Facilities:** No special equipment necessary.
- 4.6 Advice to Doctor:** Treat symptomatically.

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:**
Polypropylene is a combustible material and will burn if involved in a fire. It is however not considered to be a significant fire risk. Decomposition and combustion products include carbon monoxide, carbon dioxide, carbon (soot), formaldehyde, and acrolein.
- 5.3 Precautions for Fire Fighters and Special Protective Equipment:**
Fire fighters to wear self-contained breathing apparatus if there is a risk of exposure to vapour or from the products of combustion and decomposition. Water spray, foam, carbon dioxide, dry chemical powder and BCF should be used to extinguish polypropylene based fires. As these products are typically used to absorb non-hazardous substances, the liquid absorbed is unlikely to contribute to the fire. However, fire-fighters to treat as per the risk associated with the absorbed liquid.
- 5.4 Hazchem Code:**
None Allocated.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Emergency Procedures:** Spills of this material do not pose an immediate risk to health or the environment, however avoid flushing to sewer or releasing to the environment as polypropylene does not biodegrade.
- 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, however, store in accordance with good material handling practice.

(MATERIAL) SAFETY DATA SHEET

Trade Name: **UNIVERSAL (GP) POLYPROPYLENE (Pads & Rolls)**

7.2 Conditions for Safe Storage: Keep in a dry, cool, ventilated area, in closed cartons. Avoid exposure to sunlight and store below 60 deg C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:** Threshold or Exposure Limits do not apply.
NPCA-HMIS Rating: Health=0, Flammability=1, Reactivity=0
NFPA-704 Rating: Health=0, Flammability=1, Reactivity=0
- 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:** Product is inert. Gloves not needed under normal conditions. If melted, use gloves.
- Respiratory Protection:** Dust mask not necessary under normal conditions.
- Other Protection:** Other protective clothing not required under normal conditions.

9. PHYSICAL & CHEMICAL PROPERTIES

- 9.1 Appearance:** Yellow coloured melt-blown non-woven material
- 9.2 Odour:** Odour may be of a mild hydrocarbon.
- 9.3 pH:** Not Applicable.
- 9.4 Vapour Pressure:** Not Applicable.
- 9.5 Vapour Density:** Not Applicable.
- 9.6 Boiling Point:** Not Applicable.
- 9.7 Melting Point:** >155 (deg. C @ 760 mm Hg)
- 9.8 Solubility (in water):** Insoluble.
- 9.9 Density:** Varies with form.
- 9.10 Additional Information**
- Specific Gravity:* 0.90 - 0.92
- Auto-Ignition Temp.:* >315 deg C. (estimate)
- Percent Volatiles:* None.

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:** Molten material will cause thermal burns.
- 10.3 Incompatible Materials:** Polypropylene, whilst having excellent chemical resistance to a very wide range of chemicals, is attacked however by strongly oxidising reagents (ie: concentrated nitric and sulphuric acid, dry chlorine and bromine gas).

(MATERIAL) SAFETY DATA SHEET

Trade Name: **UNIVERSAL (GP) POLYPROPYLENE (Pads & Rolls)**

- 10.4 Hazardous Reactions:** None known. Highly stable. Temperatures over 249 deg C. may cause degradation.
- 10.5 Hazardous Decomposition Products:** Material is inert and does not biodegrade.

11. TOXICOLOGICAL INFORMATION

- 11.1 Acute Health Effects:** Product is considered to be inert and non-harmful.
- 11.2 Chronic Health Effects:** This product has not been associated with any known negative effects on humans.
- 11.3 Health Effects from Likely Routes of Exposure:**
- Swallowed: Unlikely as an exposure route.
- Eye: No known hazard. Powder and granules will cause physical irritation.
- Skin: Polymer powder and granules may have an abrasive effect on the skin. Molten polypropylene material will, however, cause burns and adhere strongly to skin.
- Inhaled: Inhalation of airborne particles may lead to respiratory irritation. Fumes evolved at temperatures above 225°C include carbon monoxide, formaldehyde and acrolein; inhalation can result in respiratory irritation, lachrymation, headache, fatigue, and dizziness.

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity:** No data available.
- 12.2 Persistence / Degradability:** Polypropylene materials released into the environment can undergo physical, chemical and biological degradation, or a combination of all these. The rates of chemical and physical degradation are higher when compared to biodegradation. However, ultimately, the degradation of polypropylene and other recalcitrant synthetic polymers in the environment may take several hundred years.
- 12.3 Mobility:** Product does not produce leachate.
- 12.4 Additional Information:** *No data available.*

13. DISPOSAL CONSIDERATIONS

- 13.1 Disposal Methods:** This product is a synthetic polypropylene material and can either be discarded into landfill or incinerated by approved agents. Always consult your applicable waste management authority to ensure proper disposal practices. Avoid discarding to sewer.
- This product is designed to be used as an absorbent to clean up spilled liquids from hard surfaces. 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.

(MATERIAL) SAFETY DATA SHEET

Trade Name: **UNIVERSAL (GP) POLYPROPYLENE (Pads & Rolls)**

13.2 Special Precautions for Landfill or Incineration: Under normal circumstances, if the product has been used to absorb non-hazardous substances, the solid mixture may be able to be discarded as solid waste. Products are suitable for high temperature incineration (residual ash < 0.02%).

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 Additional Information: *Not regulated, not a dangerous good as defined by the following regulations:*

Sea transportation: IMO / IMDG
Air transportation: ICAO / IATA
Road, Rail transportation: ADR / RID

No special classification or labelling is required according to EC Directive 67/548 as amended.

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 Universal (GP) synthetic products are made from meltblown non-woven polypropylene, treated with a specialized surfactant for the absorption of both water-based and oil-based non-hazardous/reactive liquids from hard surfaces. Manufactured into absorbent pads and rolls.

Date of Issue: Issue #1, revised Nov. 2010
Replaces: N/App.

Contacts:

Australia: Enretech Australasia P/L
Business Hours (EST) Tel: +61 (0)2 4869 3261 Fax: +61 (0)2 4869 3264
Contact: Christopher Aebi, Technical Services
Mobile: +61 (0)425 232 741
Email: info@enretech.com.au
Internet: www.enretech.com.au

(MATERIAL) SAFETY DATA SHEET

Trade Name: **UNIVERSAL (GP) POLYPROPYLENE (Pads & Rolls)**

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, 6th 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, 3rd Edition, [NOHSC:1008(2004)], April 2003 ASCC, Canberra ACT
7. National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd 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. Polypropylene Fact Sheet, Orica Ltd. Oct 1992
11. Tencate Australia MSDS Polypropylene Universal Feb. 2007, E041
12. Indian Journal of Biotechnology, Vol.7 Jan 2008, "Biodegradation of Polyethylene and Polypropylene", Dept. Of Biotechnology, Indian Institute of Technology, Madras Chennai 600 036 India,

ADVICE NOTE:

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