



Product Name **NG GRAFITEX**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier name PROMAT AUSTRALIA PTY LTD
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Web site <http://www.promat-ap.com/>
Synonym(s) FLEXIWRAP • FYREBLOCK • INTUMESCENT STRIP • PROMASEAL FC • PROMASEAL FCD • PROMASEAL FCS • PROMASEAL FCW • PROMASEAL FWR • PROMASEAL GREEN CAST IN COLLARS • PROMASEAL HI-BLU PROMASEAL HI-BLU • UNICOIL • UNICOLLAR • UNIWRAP
Use(s) FIRE PROTECTION APPLICATIONS • INDUSTRIAL APPLICATIONS
SDS date 03 May 2013

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

RISK PHRASES

None allocated

SAFETY PHRASES

None allocated

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN number	None Allocated	DG class	None Allocated
Packing group	None Allocated	Subsidiary risk(s)	None Allocated
Hazchem code	None Allocated		

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Identification	Classification	Content
AZODICARBONAMIDE	CAS: 123-77-3 EC: 204-650-8	E;R2 Xn;R42	<0.5%
GRAPHITE	CAS: 7782-42-5 EC: 231-955-3	Not Available	<40%
PVC RESIN	CAS: 24345-02-6 EC: 246-181-1	Not Available	<30%
DIOCTYL ADIPATE	CAS: 103-23-1 EC: 203-090-1	Not Available	<10%
PLASTICISER(S)	Not Available	Not Available	<10%
TRIS(2-ETHYLHEXYL) BENZENE-1,2,4-TRICARBOXYLATE	CAS: 3319-31-1 EC: 222-020-0	Not Available	<10%
EPOXIDISED SOYBEAN OIL	CAS: 8013-07-8 EC: 232-391-0	Not Available	<5%
1-HEXADECENE	CAS: 629-73-2 EC: 211-105-8	Not Available	<1%

NON HAZARDOUS INGREDIENTS	Not Available	Not Available	Remainder
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4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.
Advice to doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability	Non flammable. May evolve toxic gases if strongly heated.
Fire and explosion	No fire or explosion hazard exists.
Extinguishing	Use an extinguishing agent suitable for the surrounding fire.
Hazchem code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear Personal Protective Equipment (PPE) as detailed in Section 8 of this SDS.
Environmental precautions	Prevent product from entering drains and waterways.
Methods of cleaning up	If spilt, collect and reuse where possible.
References	See Sections 8 and 13 for exposure controls and disposal.

7. STORAGE AND HANDLING

Storage	Store in dry area out of direct sunlight. No special requirements for the storage of this product, however good hygiene standards should include removal from foodstuffs and maintain product in sealed packaging as supplied.
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Graphite (all forms except fibres)	SWA (AUS)	--	3	--	--

Biological limits	No Biological Limit Value allocated.
Engineering controls	No special precautions are normally required when handling this product.

PPE

Eye / Face	Personal Protective Equipment is not required under normal conditions of use (installation). If handling this product for prolonged periods of time in raw sheet form, it is recommended for the user to wear Nitrile gloves (Impervious).
Hands	Not required under normal conditions of use.
Body	Not required under normal conditions of use.
Respiratory	Not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	BLACK SOLID
Odour	ODOURLESS
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	5.5 to 7.0
Vapour density	NOT AVAILABLE
Specific gravity	NOT AVAILABLE
Solubility (water)	INSOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Partition coefficient	NOT AVAILABLE
% Volatiles	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended conditions of storage.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Material to avoid	Compatible with most commonly used materials.
Hazardous Decomposition Products	Likely to evolve toxic gases if heated to decomposition (I.e. >150°C).
Hazardous Reactions	Polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	Low toxicity - low irritant. This product is anticipated represent minimal hazard with normal use. Use safe work practices to avoid the generation of dust particles.																						
Eye	Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if dust is generated. Contact may result in mechanical irritation.																						
Inhalation	Low irritant. An inhalation hazard is not anticipated unless dust is generated. Over exposure to dust may result in irritation of the nose and throat, with coughing.																						
Skin	Low irritant. Prolonged or repeated exposure to dust may result in irritation and dermatitis.																						
Ingestion	Ingestion is considered unlikely due to product form.																						
Toxicity data	<p>AZODICARBONAMIDE (123-77-3)</p> <table><tr><td>LD50 (ingestion)</td><td>> 6400 mg/kg (rat)</td></tr><tr><td>LD50 (intraperitoneal)</td><td>440 mg/kg (rat)</td></tr><tr><td>LD50 (skin)</td><td>> 500 mg/kg (rat)</td></tr></table> <p>DIOCTYL ADIPATE (103-23-1)</p> <table><tr><td>LD50 (ingestion)</td><td>9100 mg/kg (rat)</td></tr><tr><td>LD50 (intraperitoneal)</td><td>> 50 mL/kg (rat)</td></tr><tr><td>LD50 (intravenous)</td><td>540 mg/kg (rabbit)</td></tr><tr><td>LD50 (skin)</td><td>16 mL/kg (rabbit)</td></tr><tr><td>TDL_o (ingestion)</td><td>25200 mg/kg/3 weeks continuously (rat)</td></tr><tr><td>TDL_o (intraperitoneal)</td><td>15 g/kg (rat)</td></tr></table> <p>TRIS(2-ETHYLHEXYL) BENZENE-1,2,4-TRICARBOXYLATE (3319-31-1)</p> <table><tr><td>LD50 (ingestion)</td><td>> 60 g/kg mouse</td></tr></table> <p>EPOXIDISED SOYBEAN OIL (8013-07-8)</p> <table><tr><td>LD50 (ingestion)</td><td>40 g/kg (rat)</td></tr></table>	LD50 (ingestion)	> 6400 mg/kg (rat)	LD50 (intraperitoneal)	440 mg/kg (rat)	LD50 (skin)	> 500 mg/kg (rat)	LD50 (ingestion)	9100 mg/kg (rat)	LD50 (intraperitoneal)	> 50 mL/kg (rat)	LD50 (intravenous)	540 mg/kg (rabbit)	LD50 (skin)	16 mL/kg (rabbit)	TDL _o (ingestion)	25200 mg/kg/3 weeks continuously (rat)	TDL _o (intraperitoneal)	15 g/kg (rat)	LD50 (ingestion)	> 60 g/kg mouse	LD50 (ingestion)	40 g/kg (rat)
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12. ECOLOGICAL INFORMATION

Toxicity	Low toxicity to aquatic organisms.
Persistence and degradability	This product is not readily biodegradable.
Bioaccumulative potential	Not anticipated to bioaccumulate.
Mobility in soil	This product is not likely to volatilise rapidly into the air because of its low vapour pressure. It is not likely to move rapidly with surface or groundwater flows because of its low water solubility.
Other adverse effects	TVOC 0g/L by Weight. The TVOC value has been calculated theoretically from the total sum of VOC content within each raw material contained within this product & its manufacturing process. This product is supplied in cured form and forms part of a fire stopping system. The calculation method used to establish TVOC content of this product is in accordance with the formula as specified in "The South Coast Air Quality Management District Rule 1168".

13. DISPOSAL CONSIDERATIONS

Waste disposal	This product is recyclable, please contact Promat Australia for further details & prevailing conditions
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN number	None Allocated	None Allocated	None Allocated
Proper shipping name	None Allocated	None Allocated	None Allocated
DG class/ Division	None Allocated	None Allocated	None Allocated
Subsidiary risk(s)	None Allocated	None Allocated	None Allocated
Packing group	None Allocated	None Allocated	None Allocated
Hazchem code	None Allocated		

15. REGULATORY INFORMATION

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
Inventory Listing(s)	AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information	RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.
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PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
GHS	Globally Harmonized System
IARC	International Agency for Research on Cancer
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per Cubic Metre
PEL	Permissible Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
TLV	Threshold Limit Value
TWA/OEL	Time Weighted Average or Occupational Exposure Limit

Revision history

Revision	Description
2.1	Standard SDS Review
2.0	Standard SDS Review.
1.0	Initial SDS creation

Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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End of SDS