

Material Safety Data Sheet

Product Name **NEW GRAFITEX (A)**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name PROMAT AUSTRALIA PTY LTD
Address 1 Scotland Road, Mile End, SA, AUSTRALIA, 5031
Telephone (08) 8352 6759
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Web Site <http://www.promat-ap.com/>
Synonym(s) FLEXIWRAP • FYRE COLLAR • FYREBLOCK • INTUMESCENT STRIP • UNICOIL • UNICOLLAR • UNIWRAP
Use(s) INDUSTRIAL APPLICATIONS
MSDS Date 05 May 2009

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC CRITERIA

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

UN No. None Allocated **DG Class** None Allocated **Subsidiary Risk(s)** None Allocated
Packing Group None Allocated **Hazchem Code** None Allocated **EPG** None Allocated

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
AZODICARBONAMIDE	C2-H4-N4-O2	123-77-3	<1%
GRAPHITE	C	7782-42-5	30-40%
PVC RESIN	Not Available	24345-02-6	<25%
CHLORINATED PARAFFINS, C14-17	Not Available	85535-85-9	<20%
DINCH PLASTICIZER	Not Available	Not Available	2.5-10%
DIOCTYL ADIPATE	C22-H42-O4	103-23-1	2.5-10%
TOTM PLASTICIZER	Not Available	Not Available	2.5-10%
EPOXIDISED SOYBEAN OIL	Not Available	Not Available	<5%

4. FIRST AID MEASURES

Eye If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or 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 Poisons 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 Prevent contamination of drains or waterways.

Hazchem Code None Allocated

CHEM ALERT

6. ACCIDENTAL RELEASE MEASURES

Spillage If spilt, collect and reuse where possible.

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 Stds	Ingredient	Reference	TWA		STEL	
			ppm	mg/m3	ppm	mg/m3
	Graphite (all forms except fibres)	ASCC (AUS)	--	3	--	--

Biological Limits No Biological Limit Value allocated.

Engineering Controls Avoid inhalation. Use in well ventilated areas. If sanding, drilling or cutting, use appropriate local extraction ventilation.

PPE Personal Protective Equipment is not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	BLACK SOLID	Solubility (Water)	INSOLUBLE
Odour	ODOURLESS	Specific Gravity	NOT AVAILABLE
pH	NOT AVAILABLE	% Volatiles	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Flammability	NON FLAMMABLE
Vapour Density	NOT AVAILABLE	Flash Point	NOT RELEVANT
Boiling Point	NOT AVAILABLE	Upper Explosion Limit	NOT RELEVANT
Melting Point	NOT AVAILABLE	Lower Explosion Limit	NOT RELEVANT
Evaporation Rate	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 May evolve toxic gases if heated to decomposition.

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. Chlorinated paraffins are considered possibly carcinogenic to humans (IARC Group 2B). However, due to product form no adverse health affects are expected with normal use of the product.

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 AZODICARBONAMIDE (123-77-3)
 LD50 (Ingestion): > 6400 mg/kg (rat)
 LD50 (Intraperitoneal): 440 mg/kg (rat)

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LD50 (Skin): > 500 mg/kg (rat)
CHLORINATED PARAFFINS, C14-17 (85535-85-9)
Carcinogenicity: Possibly carcinogenic to humans (IARC Group 2B)
TDLo (Ingestion): 2275 mg/kg/13 weeks - continuously (rat)
TDLo (Intraperitoneal): 4 g/kg/4 days - intermittently (rat)
DIOCTYL ADIPATE (103-23-1)
LD50 (Ingestion): 9100 mg/kg (rat)
LD50 (Intraperitoneal): > 50 mL/kg (rat)
LD50 (Intravenous): 540 mg/kg (rabbit)
LD50 (Skin): 16 mL/kg (rabbit)
TDLo (Ingestion): 25200 mg/kg/3 weeks continuously (rat)
TDLo (Intraperitoneal): 15 g/kg (rat)
EPOXIDISED SOYBEAN OIL (Not Available)
LD50 (Ingestion): 40 g/kg (rat)

12. ECOLOGICAL INFORMATION

Environment VOC 0g/L when tested to USEPA Method 8260 and the methodology in South Coast Air Quality Management District Rule 1168 (California) (R.Porter R&D Manager).

Ecotoxicity Low toxicity to aquatic organisms.

Persistence / Degradability This product is not readily biodegradable.

Mobility 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.

13. DISPOSAL CONSIDERATIONS

Waste Disposal No special precautions are required for the disposal of this product.

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

Shipping Name	None Allocated				
UN No.	None Allocated	DG Class	None Allocated	Subsidiary Risk(s)	None Allocated
Packing Group	None Allocated	Hazchem Code	None Allocated	EPG	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 Drugs and Poisons (SUSDP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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.

ABBREVIATIONS:
ADB - Air-Dry Basis.
BEI - Biological Exposure Indice(s)
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
CNS - Central Nervous System.
EINECS - European INventory of Existing Commercial chemical Substances.
IARC - International Agency for Research on Cancer.
M - moles per litre, a unit of concentration.
mg/m³ - Milligrams per cubic metre.
NOS - Not Otherwise Specified.
NTP - National Toxicology Program.
OSHA - Occupational Safety and Health Administration.
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm - Parts Per Million.
RTECS - Registry of Toxic Effects of Chemical Substances.

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TWA/ES - Time Weighted Average or Exposure Standard.

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 Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert 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.

Report Status

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer 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.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, 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 MSDS.

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End of Report