

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name PROMASEAL EXPANSION STRIP
Synonyms FYRESTRIP, PROMAT FYREGUARD EXPANSION STRIP.
Uses INDUSTRIAL APPLICATIONS.
Supplier Name PROMAT AUSTRALIA PTY LTD
Address 1 Scotland Road, MILE END SA, 5031, AUSTRALIA
Telephone (08) 8352 6759
Fax +61 8 8352 1014

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
GRAPHITE	C	<30%	7782-42-5
POLYURETHANE FOAM		<25%	9009-54-5
ACRYLIC RESIN		<15%	Not Available
CALCIUM SILICATE		<5%	1344-95-2
POLYVINYL CHLORIDE (PVC) RESIN		<25%	Not Available

4. FIRST AID MEASURES

Eye Flush gently with running water. Seek medical attention if irritation develops.
Inhalation If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
Skin Gently flush affected areas with water.
Ingestion Ingestion is considered unlikely.
Advice To Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Combustible. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.
Fire and Explosion Combustible. Evacuate area and contact emergency services. Toxic gases (hydrocarbons, carbon oxides) may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing Dry agent, carbon dioxide or water fog. Prevent contamination of drains or waterways, absorb runoff with sand or similar.
Hazchem Code None Allocated

Colour
Rating
GREEN

6. ACCIDENTAL RELEASE MEASURES

Spillage Collect and reuse where possible.

7. HANDLING AND STORAGE

Handling Use safe work practices to avoid eye or skin contact and inhalation. Observe good personal hygiene. Prohibit eating, drinking and smoking in contaminated areas. Wash hands before eating. Remove contaminated clothing and protective equipment before entering eating areas.

Storage Store in cool, dry area, removed from foodstuffs. Ensure containers are labelled, protected from physical damage and sealed when not in use. Store below 135 C for long term.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Ensure adequate natural ventilation.

Exposure Standards GRAPHITE (7782-42-5)
TWA : 3 mg/m³
WES : 3 mg/m³

CALCIUM SILICATE (1344-95-2)
TWA : 10 mg/m³*
WES : 10 mg/m³

PPE No personal protective equipment is normally required.

NO PPE REQUIRED

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: DARK GREY FOAM SEPARATED BY GREY SHEETING
Odour: ODOURLESS
pH: NOT AVAILABLE
Vapour Pressure: NOT AVAILABLE
Vapour Density: NOT AVAILABLE
Boiling Point: NOT AVAILABLE
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
Solubility (water): INSOLUBLE
Specific Gravity: NOT AVAILABLE
% Volatiles: NOT AVAILABLE
Flammability: COMBUSTIBLE FOAM/ NON FLAMMABLE SOLID
Flash Point: > 250 C (Polyurethane foam)
Upper Explosion Limit: NOT AVAILABLE
Lower Explosion Limit: NOT AVAILABLE
Autoignition Temperature: NOT AVAILABLE
Decomposition Temperature: > 200 C (Polyurethane foam)

10. STABILITY AND REACTIVITY

Reactivity No reported incompatibilities.

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10. STABILITY AND REACTIVITY cont.

Stability and Reactivity

May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary

Low toxicity. Due to product form, adverse health effects are not anticipated under normal conditions of use. Avoid skin contact and inhalation of vapours when heated.

Eye Not applicable. Product may only present a health hazard if product is heated and vapours released.

Inhalation Not applicable. Product may only present a hazard if heated and vapours evolved, which may result in mucous membrane irritation of the respiratory tract.

Skin Low irritant. Prolonged contact may result in irritation.

Ingestion Not applicable. Due to product form, ingestion is considered highly unlikely.

12. ECOLOGICAL INFORMATION

Environment

No specific ecotoxicity data was available for this product at the time this MSDS was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of to an approved landfill site. Contact the manufacturer for additional information.

Legislation

Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Transport

Not classified as a Dangerous Good according to the Australian Code for the transport of Dangerous Goods by Road and Rail.

UN Number

None Allocated

DG Class

None Allocated

Subsidiary Risk(s)

None Allocated

Packing Group

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 Drugs and Poisons (SUSDP).

16. OTHER INFORMATION

Additional Information

The hazard associated with the graphite contained in this product is significantly lower due to the product form. Caution is advised only when cutting or sanding or where dusts may be generated. The manufacturer reports that the ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS).

WORKPLACE CONTROLS AND PRACTICES: Unless a less toxic chemical can be substituted for a hazardous

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16. OTHER INFORMATION cont.

substance. ENGINEERING CONTROLS are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ): Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

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. Information provided by Risk Management Technologies is summarised for ease of use. Additional technical information is available by calling +61 8 9322 1711.

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.

ABBREVIATIONS:

mg/m³ - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

MSDS Reviewed 1st January 2004

Date Printed 2nd September 2004

Report Status Chem Alert reports are compiled as an independent source of information by RMT's scientific department, based on the latest chemical and toxicological research and, where appropriate, in compliance with relevant standards, guidance notes and legislation. Where available the manufacturer's original MSDS is also provided to Chem Alert subscribers as a scanned image for their convenience. In many instances Chem Alert reports are compiled on behalf of manufacturers in which case they serve as the "Manufacturer's MSDS" and are clearly identified as such on the relevant reports.

Prepared By Risk Management Technologies
5 Ventnor Avenue, West Perth
Western Australia 6005

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16. OTHER INFORMATION cont.

Phone: +61 8 9322 1711
Fax: +61 8 9322 1794
Web: www.rmt.com.au

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