



# MATERIAL SAFETY DATA SHEET

Issue date: 9<sup>th</sup> July, 2008

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name: DYMONIC<sup>®</sup> FC BRONZE**

Company: Tremco Pty Limited ABN 25 000 024 064  
Address: Unit 1, 2 Park Road, Rydalmere, New South Wales, 2116  
Contact Nos.: Telephone: (02) 9638 2755 Fax: (02) 9638 2955  
Emergency Telephone: 1800 224 512 7am to 5pm Monday to Friday inclusive  
Product Code: 240221 300ml Cartridge  
Recommended  
Use: Polyurethane Joint Sealant  
Manufacturer's Product  
Code: 960801 323  
Proper Shipping  
Name: None allocated

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## 2. HAZARDS IDENTIFICATION

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THIS PRODUCT IS NOT CLASSIFIED AS A DANGEROUS GOOD UNDER THE PROVISION OF THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL

Safety Phrases: S2 Keep out of the reach of children  
S24/25 Avoid contact with skin and eyes  
Risk Phrases: R42 May cause sensitization by inhalation

### Emergency Overview

Bronze, non-sag gunnable paste. May cause nausea, headaches and dizziness. May cause allergic respiratory sensitization. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

### Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause nausea, headaches and dizziness. May cause allergic respiratory sensitization.

Eyes : Direct contact may cause mild irritation.

Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea and vomiting.

Skin : May cause sensitization resulting in irritation, itching and redness.

### Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

### Chronic Health Effects

Prolonged or repeated exposure to butyl benzyl phthalate may cause reduced body weights and adverse effects on the liver, kidney, spleen, pancreas, and reproductive organs. Carbon black is classified by IARC to be a known animal carcinogen and a

possible human carcinogen (Group 2B). Carbon black is encapsulated by resin and not expected to have adverse effects unless made airborne. Organosilane may cause liver injury with fibrosis after repeated and prolonged overexposure. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Target Organs**  
Skin, Eye, Lung.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name:	CAS Number:	Weight %:
Calcium carbonate	471-34-1	30.0-60.0%
Polyurethane polymer	NJ TSRN# 51721300-5388P	15.0-40.0%
Butyl benzyl phthalate	85-68-7	10.0-30.0%
Calcium carbonate (Limestone)	1317-65-3	7.0-13.0%
Diisodecyl phthalate	26761-40-0	5.0-10.0%
Carbon black	1333-86-4	<1.0%
Crystalline silica (Quartz)/Silica sand	14808-60-7	<1.0%

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### 4. FIRST AID MEASURES

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Get immediate medical attention for any significant overexposure.

**Inhalation** : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Eye contact** : Flush with water for 15 minutes. If irritation persists get medical attention.

**Skin contact** : Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

**Ingestion** : Do not induce vomiting unless advised by a physician. Call nearest Poisons Information Centre (Ph: 13 11 26 in all states) or Physician immediately.

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### 5. FIRE FIGHTING MEASURES

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Flash point : Not available  
Method : Not available  
Burning rate : Non-flammable solid  
Lower explosion limit : Not available  
Upper explosion limit : Not available  
Autoignition temperature : Not available.  
Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.  
Hazardous combustion products: Smoke, fumes . Carbon monoxide and carbon dioxide

can form. Hydrocyanic acid and nitrogen oxides can form.

Protective equipment  
for firefighters:

Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

Fire and Explosion  
Conditions:

This product is not expected to ignite under normal conditions of use.

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## **6. ACCIDENTAL RELEASE MEASURES**

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Use appropriate protective equipment. Avoid contact with material. Keep out of water courses. Scrape up and transfer to appropriate container for disposal. Ventilate area.

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## **7. HANDLING & STORAGE**

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Prevent inhalation of vapour, ingestion, and contact with skin, eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not store or use near food. Store under dry warehouse conditions away from heat and all ignition sources.

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **Personal protection equipment**

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved organic vapour or supplied air respirator a when airborne contaminant level(s) exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Wear suitable impervious gloves such as nitrile or neoprene and suitable protective apparel.
- Eye protection : Wear appropriate eye protection. Use safety glasses if eye contact is likely.
- Skin & body protection : Prevent contact with shoes and clothing.
- Protective measures : Use professional judgment in the selection, care, & use.
- Engineering measures : Use general ventilation and/or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the MSDS.

**Exposure Limits**

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium carbonate (Limestone)	1317-65-3	OSHA PEL	5 mg/m <sup>3</sup>	Respirable fraction
		OSHA PEL	15 mg/m <sup>3</sup>	Total dust
		ACGIH TWA	3 mg/m <sup>3</sup>	Respirable particles
		ACGIH TWA	10 mg/m <sup>3</sup>	Inhalable particles
		OSHA TWA	15 mg/m <sup>3</sup>	Total dust
		OSHA TWA	5 mg/m <sup>3</sup>	Respirable fraction
Carbon black	1333-86-4	ACGIH TWA	3.5 mg/m <sup>3</sup>	Total dust Respirable fraction
		OSHA PEL	3.5 mg/m <sup>3</sup>	
		OSHA TWA	15 mg/m <sup>3</sup>	
		OSHA TWA	5 mg/m <sup>3</sup>	
Crystalline silica (Quartz)/Silica sand	14808-60-7	ACGIH TWA	0.025 mg/m <sup>3</sup>	Respirable fraction
		OSHA TWA	0.1 mg/m <sup>3</sup>	Respirable
		OSHA TWA	0.3 mg/m <sup>3</sup>	Total dust
		OSHA PEL	15 mg/m <sup>3</sup>	Total dust
		OSHA PEL	5 mg/m <sup>3</sup>	Respirable fraction

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form :	Non-sag gunnable paste
Colour :	Bronze
Odour :	Slight Ester
pH :	Not available.
Vapour pressure :	Not available.
Vapour density :	Heavier than air
Melting point/range :	Not available.
Freezing point :	Not available.
Boiling point/range :	Not available.
Water solubility :	Insoluble
Specific Gravity :	1.454
% Volatile Weight :	0 %

**10. STABILITY AND REACTIVITY**

Substances to avoid :	Amines. Water or moisture. Alcohols. Strong acids. Strong bases.
Stability :	Material is stable under normal storage, handling, and use.
Hazardous polymerization :	Will not occur.

**11. TOXICOLOGICAL INFORMATION**

Calcium carbonate	CAS-No.: 471-34-1	Acute oral toxicity (LD-50 oral) 6,450 mg/kg (Rat)
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Butyl benzyl phthalate    CAS No. 85-68-7    Acute oral toxicity (LD-50 oral) 13,500 mg/kg (Rat)

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## 12. ECOLOGICAL INFORMATION

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No Data Available

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## 13. DISPOSAL CONSIDERATIONS

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Disposal Methods:    Dispose of in compliance with state and local waste disposal regulations.

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## 14. TRANSPORT INFORMATION

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UN Number:                    None allocated  
Proper Shipping Name:        None allocated  
Packing Group:                None allocated  
Hazchem Code:                None allocated

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## 15. REGULATORY INFORMATION

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Risk and Safety Phrases listed in Section 2

Poisons Schedule:            None assigned

If used according to manufacturer's conditions this product is safe to use, however, persons known to be hypersensitive (asthma, chronic bronchitis) should not use this product.

OSHA Hazardous Components:  
Butyl benzyl phthalate            85-68-7  
Calcium carbonate (Limestone)    1317-65-3  
Diisodecyl phthalate            26761-40-0  
Carbon black                    1333-86-4  
Crystalline silica (Quartz)/        14808-60-7  
Silica sand

OSHA Status: Considered  
hazardous based on the  
following criteria:            Irritant  
    Carcinogen

OSHA Flammability: Not regulated  
Regulatory VOC (less water and  
exempt solvent):            5 g/l  
VOC Method 310:            0%

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## 16. OTHER INFORMATION

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Hazardous Materials Information System:

Health	1
Flammability	0
Reactivity	0
PPE	

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

For Industrial Use only. Keep out of reach of children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use and storage of the product under every foreseeable condition.

Website: [www.tremco.com.au](http://www.tremco.com.au)

The information sourced for the preparation of this document was correct and complete at the time of writing or to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority.