
MATERIAL SAFETY DATA SHEET

CASTING BANDAGES – WITH FIBREGLASS**MSDS No. 170**

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product**Product Name****CASTING BANDAGES – WITH FIBREGLASS****Other Names**

- DYNACAST Prelude
 - DELTA Lite Conformable
 - Safety Splint Unpadded
 - DELTA Lite Plus
- Roll

Manufacturer's Product Code

Various

Use

Synthetic orthopaedic fibreglass casting and splinting material. Provides rigid external immobilisation for fractures and other orthopaedic indications.

Supplier**Company**

Smith & Nephew Pty. Limited

Address

315 Ferntree Gully Road, Mount Waverley, Victoria 3149

Telephone No.

Customer Service:

(03) 8540 6777

Toll Free (Australia): 13 13 60

Toll Free (New Zealand): 0800 807 663

Emergency Tel. Nos.

(03) 8540 6777 (business hours)

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification

HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Hazards Overview**Before Cure:** Contains a water-activated polyurethane resin with isocyanate end groups. May cause skin sensitisation.**After Cure:** The process to remove the bandage may form dusts, containing cured isocyanate material, which may cause a reaction in sensitised individuals. Also, significant amounts of fibreglass dust may be generated from fibreglass included in these casting materials.**Risk Phrases**

The labelling required if handled in the workplace as a Workplace Hazardous Substance is:

Hazard Category: IRRITANT (Sensitiser)

R43 May cause sensitisation by skin contact.

Safety Phrases

S24/25 Avoid contact with skin and eyes.

S37 Wear suitable gloves.

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S28 After contact with skin, wipe off, then wash immediately with plenty of soap and water.

MATERIAL SAFETY DATA SHEET

CASTING BANDAGES – WITH FIBREGLASS

MSDS No. 170

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<i>Product / component</i>	<i>CAS No.</i>	<i>Proportion (%)</i>
DYNACAST PRELUDE:		
Diphenylmethane Di-isocyanate (M.D.I.)	26447-40-5	9.3
Dimorpholinodiethylether (DMDEE Catalyst 2.2)	6425-39-4	< 0.6
Polyurethane prepolymer		
Fibreglass		
Polypropylene padding		
SAFETY SPLINT UNPADDED ROLL:		
Diphenylmethane Di-isocyanate (M.D.I.)	26447-40-5	Not available
Dimorpholinodiethylether (DMDEE Catalyst 2.2)	6425-39-4	Not available
Polyurethane prepolymer		
Fibreglass		
Polypropylene liner		
DELTA LITE CONFORMABLE:		
Diphenylmethane Di-isocyanate (M.D.I.)	26447-40-5	< 12
Dimorpholinodiethylether (DMDEE Catalyst 2.2)	6425-39-4	< 0.8
Polyurethane prepolymer		
Fibreglass		
DELTA LITE PLUS:		
Diphenylmethane Di-isocyanate (M.D.I.)	26447-40-5	Not available
Polypropylene Glycol	25322-69-4	< 34.0
Polyethylene Oxide	25322-68-3	< 4.0
Polyurethane prepolymer		
Fibreglass		

SECTION 4 – FIRST AID MEASURES

Swallowed	Do not induce vomiting. Seek medical attention.
Eye	Rinse eye with water for 15 minutes, whilst lifting eyelid. Get medical attention if effects persist.
Skin	Wash thoroughly with soap and water.
Inhaled	Move individual to fresh air. Give oxygen in the event of breathing difficulty. Seek medical attention if effects persist.
First-Aid Facilities	Eye wash plus normal washroom facilities nearby.
Advice to Doctor	Treat symptomatically. May cause respiratory sensitisation or asthma-like symptoms.

MATERIAL SAFETY DATA SHEET**CASTING BANDAGES – WITH FIBREGLASS****MSDS No. 170**

SECTION 5 – FIRE FIGHTING MEASURES

Hazards From Combustion Products	The product is not readily combustible but will burn under fire conditions and give off toxic fumes, mainly carbon monoxide and carbon dioxide and with a possibility of hydrogen cyanide and nitrogen oxides (dependent upon combustion conditions).
Suitable Extinguishing Media	CO ₂ or dry chemical for small fires. Water and foam for larger fires.
Fire-fighting Procedures	Vapours are extremely irritating when inhaled. Wear self-contained breathing apparatus where decomposition fumes may be formed.
Hazchem Code	Not applicable.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill / Leak Procedure	Ventilate the area thoroughly. Avoid skin contact. Wear gloves. Absorb the spilled compound in sawdust or other absorbent. Store temporarily in an open container. Absorbed material should be treated with a solution of water and ammonia and isopropanol before disposal.
-------------------------------	--

SECTION 7 – HANDLING AND STORAGE

Handling Advice	Always wear gloves when handling the product. Refer to instructions for use provided with the product.
Storage Advice	Store in a cool, dry, well-ventilated area away from strong oxidising agents. During storage, avoid contact with water, alcohols, strong bases, metal compounds or surface-active materials.

MATERIAL SAFETY DATA SHEET**CASTING BANDAGES – WITH FIBREGLASS****MSDS No. 170**

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Effects**Swallowed**

Not a likely route of exposure. Small amounts swallowed incidental to normal handling operations are not likely to cause injury.

Eye

The unset resin system is potentially an irritant in direct contact with eyes. May cause very slight, temporary corneal damage. The resin vapour level at room temperature will not be sufficient cause any health problems.

Skin

The unset resin system may cause skin sensitisation. It is potentially irritant in direct contact with skin. May stick to skin and cause irritation on removal. Prolonged skin contact or repeated exposure symptoms may include redness and a rash.

Inhaled

Before Cure: At temperatures higher than recommended (greater than 50°C), isocyanate-containing fumes may be generated. At room temperatures, vapours are minimal. May cause sensitisation by inhalation. Very low concentrations may cause asthmatic signs and symptoms in hypersensitive people. Short-term effects of exposures above the exposure standard may include breathing difficulties and sensitisation.

After Cure:

- Removal of casts using oscillating saws causes a potentially irritant dust, from the set isocyanate resin, to be released into the atmosphere.
- The fibreglass present in this dust may cause respiratory mechanical irritation. Fibreglass dusts are being investigated for their potential to cause lung disease and are suspected of having potential to cause cancer, when in the size range (> 5µm long x <3µm diameter and aspect ratio >5:1).

NOTE: Dust levels released from fibreglass casting material are significantly higher than from polypropylene casting material. However the likelihood of generating a fibreglass dust in the size range that could be a problem is considered to be low.

Chronic Effects

Chronic or repeated exposure may cause skin irritation and sensitisation.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Issues

The material is not considered to be dangerous to aquatic organisms.

Persistence & Degradability

In aqueous media, formation of insoluble and chemically inert polyureas will occur. No appreciable volatilisation from water to air is expected.

Mobility

Movement in the environment is expected to be limited due to the formation of insoluble polymers.

MATERIAL SAFETY DATA SHEET**CASTING BANDAGES – WITH FIBREGLASS****MSDS No. 170**

SECTION 13 – DISPOSAL CONSIDERATIONS

Method of Disposal In accordance with local waste regulations. Hardened cast material is not classified as a hazardous waste. Allow to cure and then send to standard industrial landfill. May be incinerated in an approved facility. Used product to be disposed of in accordance with the local authority's infectious waste requirements.

SECTION 14 – TRANSPORT INFORMATION

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

UN No. Not applicable.

Class Not applicable.

Subsidiary Risk(s) Not applicable.

Packing Group Not applicable.

Hazchem Code Not applicable.

Shipping Name Not applicable.

Other Not applicable.

SECTION 15 – REGULATORY INFORMATION

Poison Schedule Not a Scheduled Poison.

SECTION 16 – OTHER INFORMATION

CONTACT POINT :	CUSTOMER SERVICE	Telephone: (03) 8540 6777
Date of Issue:	12 June 2013	
<p>This 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 should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. 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.</p>		

END OF DOCUMENT