
PRODUCT NAME(S): DELTA Cast Elite – Casting tape

PRODUCT CODES:			
4802/ 72275-00000-00	4814/ 72276-00002-00	4873/ 72278-00001-00	6714/ 72279-00002-00
4803/ 72275-00001-00	4862/ 72277-00000-00	4874/ 72278-00002-00	6715/ 72279-00003-00
4804/ 72275-00002-00	4863/ 72277-00001-00	6711/ 72279-00004-00	
4812/ 72276-00000-00	4864/ 72277-00002-00	6712/ 72279-00000-00	
4813/ 72276-00001-00	4872/ 72278-00000-00	6713/ 72279-00001-00	

1. USE OF SUBSTANCE / PREPARATION

Delta Cast Elite is a cast bandage intended for use in any situation where rigid external immobilization is required.

COMPANY CONTACT DETAILS:

Company: BSN Medical, Brierfield Mills, Nelson, Lancs. BB9 5NJ.
Responsible Department: Regulatory Affairs
Emergency Telephone No.: 0044 (0)1282 617744

2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Ingredients</u>	<u>%</u>	<u>CAS No</u>	<u>Symbol</u>	<u>Risk Phrases*</u>
1,1'-Methylenebis isocyanatobenzene	<14.5	26447-40-5 {EINECS 247-714-0}	Xn	R-20-36/37/38-42/43
2,2 Dimorpholinodiethylether	<1	6425-39-4 {EINECS 229-194-7}	Xi	R-20-34
Polyurethane prepolymer				
Polyester				

* see other information for key to Risk Phrases

3. HAZARDS IDENTIFICATION:

Hazard classification from 67/548/EEC or 1999/45/EC –

Material is irritating to eyes respiratory system and skin
Excessive exposure may cause irritation of the respiratory tract and lungs and pulmonary oedema.

Single dose oral toxicity is considered to extremely low. Small amounts swallowed incidental to normal handling conditions are not likely to cause injury.

At room temperature vapours are minimal. May cause sensitisation by inhalation very low concentrations may cause asthmatic signs and symptoms in hypersensitive people.

Dust may be generated when the cast is removed using a cast saw

4. FIRST AID MEASURES:

Inhalation	In the event of inhalation remove to fresh air. Give oxygen in the event of breathing difficulty. Apply artificial respiration if necessary. Seek medical attention.
Contact with skin	Remove material from skin immediately by washing with soap and warm water. Seek medical attention if irritation persists.
Contact with eyes	Irrigate promptly with flowing water immediately and continuously for 15 minutes. Seek medical advice
Ingestion	Do not induce vomiting Seek immediate medical attention
Advice for doctor	Treatment on basis of judgement of Physician in response to reactions of patient. May cause respiratory sensitisation or Asthma like symptoms.

5. FIREFIGHTING MEASURES:

Fire extinguishing agents	Water fog, Carbon Dioxide, Dry Chemical, Alcohol or Polymer Foam.
Restrictions	N/A
Fire / explosion hazards	Vapours are extremely irritating when inhaled. Self-contained breathing apparatus should be used
Main combustion gas	
Personal Protection	Fire fighters should wear self contained breathing apparatus and protective clothing

6. ACCIDENTAL RELEASE MEASURES:

Personal Protection	Respiratory protection not needed in normal application. In case of need, air supply mask or respirator with canister for organic vapours/ isocyanates (type C.C.)
Environmental Protection	Controlled incineration or buried landfill waste disposal should be in accordance with local and national regulations.
Spillage Procedure	Ventilate the area thoroughly. Spilled compound should be absorbed 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.
Additional Information	Moisture contamination may form CO ₂ gas pressure

7. HANDLING and STORAGE

Occupational hygiene	Always wear gloves when handling the product
Storage facility	
Fire precautions	N/A
Storage Conditions	
Segregation	N/A

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Exposure limits	
Respiratory protection	N/A
Hand protection	Always wear gloves when handling the product
Eye protection	N/A
Skin protection	Gloves should be worn during application
Environmental Exposure Controls	

9. PHYSICAL & CHEMICAL PROPERTIES:

Include the following information where applicable on the substance or product:-

Appearance	A knitted polyester substrate impregnated with a polyurethane resin.
Odour	N/A
pH	4-6
Boiling point / range	200°C @ 5mm HG
Flash point	>177°C (closed cup)
Flammability (solid, gas)	0 – will not burn
Explosive properties	N/A
Oxidising properties	N/A
Vapour pressure	N/A
Relative density	N/A
Solubility	N/A
Viscosity	
Vapour Density	
Evaporation Rate	
Other data	

10. STABILITY & REACTIVITY:

Conditions to avoid	Polymerization may occur if product is heated for long period. Ensure water temperature is within recommended guidelines (under 25°C)
Materials to avoid	Water, Strong bases, alcohols, metal compounds, surface active agents
Hazardous Decomposition products	N/A
Other data	Moisture contamination may form CO ₂ gas pressure

11. TOXICOLOGICAL INFORMATION:

Acute toxicity (LD₅₀)	Single dose oral toxicity for MDI is considered to be low. The oral LD50 for rats is >2000mg/kg. For DMDEE the LD50 (rats) is 2025mg/kg
Irritant to eyes	MDI may cause moderate eye irritation May cause slight transient (temporary corneal injury, according to human experience the material may cause moderate to severe irritation.
Irritant to skin	The LD50 for skin absorption in rabbits is >200mg/kg DMDEE Dermal toxicity in rabbits LD50 is 3058mg/kg

Respiratory / dermal / sensitiser

Skin sensitisation may develop from prolonged, repeated skin contact. There is equivocal evidence from animal studies that respiratory sensitisation can be provoked through repeated skin contact with diisocyanates

Chronic toxicity / carcinogenicity

Empirical data on effects on humans: Carcinogenicity of MDI – industrial experience in humans has not shown any links between MDI based products exposure and cancer development

Genotoxicity

N/A

Reproductive toxicity

N/A

Other data

12. ECOLOGICAL INFORMATION:

Eco toxicity : short & long term effects on:-

Aquatic organisms

Soil organisms

Plants & terrestrial animals

Mobility

Persistence and Degradability

Bioaccumulation Potential

Other known adverse effects on the Environment

Ozone depletion potential

Photochemical ozone creation

Global warming potential

Effects on waste water treatment plants

13. DISPOSAL CONSIDERATIONS:

Product

In accordance with local and state regulations.

Contaminated packaging

In accordance with local and state regulations.

Waste classification

Hardened cast material is not classified as a hazardous waste and may be disposed of in ordinary landfill

14. TRANSPORT INFORMATION:

Special Precautions applicable to transport of the product:-

UN Number

Class

Proper shipping name

Packing group

Marine Pollutant

Other applicable information

15. REGULATORY INFORMATION:

Health, Safety and Environmental information on the product labelling

Specific provisions in relation to man or the environment (including national Laws)

16. OTHER INFORMATION:

Key to Phrases used:-

- R20 Harmful by inhalation
- R34 Causes burns
- R36/37/38 Irritating to eyes, respiratory system and skin
- R42/43 May cause sensitisation by inhalation

This information is provided in accordance with the requirements of the UK Health and Safety at Work Act 1974, and specifically in order to assist users of the product to make their 'assessment of health risks' as required by the UK Control of Substances Hazardous to Health Regulation 1999 (COSHH assessments). Provision of this information does not preclude users from seeking advice from other sources as indicated in the COSHH guides.

This information is intended to cover potential hazards at the place of work and does not detail medical uses, indications, contra-indications and precautions for the treatment of patients.

HISTORY LOG

Revision number	Changes Made	Date
1	Original	10/5/06