

J+JOPD

Hc #04
p.1

Status	Item Num	Catalog	NMfg	Abbv	MSDS	Co	Description	Description 2
	163429	6812A	J&JOPD	04			CAST TAPE, WHT 2"X4YDS (10RL/B	X 1BX/CS)
DMF	163430	6813	J&JOPD	04			CAST TAPE, WHT 3"X4YDS (10/BX)	
DMF	163431	6814	J&JOPD	04			CAST TAPE, WHT 4"X4YDS (10/BX)	
DMF	163432	6815	J&JOPD	04			CAST TAPE, WHT 5"X4YDS (10/BX)	
	213517	3873	J&JOPD	04			TAPE, DELTALITE "S" 3"X4YDS BL	K (10RL/BX
DMF	213518	3802	J&JOPD	04			TAPE, DELTALITE "S" 2"X4YDS RE	D (10RL/BX
DMF	213629	3853	J&JOPD	04			TAPE, DELTALITE "S" 3"X4YDS BU	RG (10/BX)
	213630	3863	J&JOPD	04			TAPE, DELTALITE "S" 3"X4YDS PU	RP (10/BX)
DGM	213631	3874	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS BL	K (10/BX)
DMF	213632	5994	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS NE	ON PNK(10B
	213718	6732	J&JOPD	04			TAPE, DELTALITE "S" 2"X4YDS LT	BLU(10/BX
	213719	6733	J&JOPD	04			TAPE, DELTALITE "S" 3"X4YDS LT	BLU(10/BX
DGM	213720	6734	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS LT	BLU(10/BX
DMF	213721	6742	J&JOPD	04			TAPE, DELTALITE "S" 2"X4YDS PN	K (10/BX)
DMF	213722	6743	J&JOPD	04			TAPE, DELTALITE "S" 3"X4YDS PN	K (10/BX)
DMF	213723	6744	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS PN	K (10/BX)
DMF	213727	3803	J&JOPD	04			TAPE, DELTALITE "S" 3"X4YDS RE	D (10/BX)
DMF	213728	3804	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS RE	D (10/BX)
	213729	3812	J&JOPD	04			TAPE, DELTALITE "S" 2"X4YDS DA	RK BLU(10B
	213730	3813	J&JOPD	04			TAPE, DELTALITE "S" 3"X4YDS DA	RK BLU(10B
	213731	3814	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS DA	RK BLU(10B
DMF	213732	3822	J&JOPD	04			TAPE, DELTALITE "S" 2"X4YDS GR	N (10/BX)
DMF	213733	3823	J&JOPD	04			TAPE, DELTALITE "S" 3"X4YDS GR	N (10/BX)
DMF	213734	3824	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS GR	N (10/BX)
DMF	213735	3852	J&JOPD	04			TAPE, DELTALITE "S" 2"X4YDS BU	RG (10/BX)
DMF	213736	3854	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS BU	RG (10/BX)
	213737	3862	J&JOPD	04			TAPE, DELTALITE "S" 2"X4YDS PU	RP (10/BX)
DGM	213738	3864	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS PU	RP (10/BX)
	213739	3872	J&JOPD	04			TAPE, DELTALITE "S" 2"X4YDS BL	K (10/BX)
DMF	213742	6002	J&JOPD	04			TAPE, DELTALITE "S" 2"X4YDS NE	ON YLW(10B
DMF	213743	6003	J&JOPD	04			TAPE, DELTALITE "S" 3"X4YDS NE	ON YLW(10B
DMF	213744	6004	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS NE	ON YLW(10B
	214124	6811A	J&JOPD	04			TAPE, DELTALITE "S" 1"X2YDS WH	T (10/BX)
	233374	6063	J&JOPD	04			CAST TAPE, DELTALITE 3"X4YDS B	LK (10/BX)
	238212	6062	J&JOPD	04			CAST TAPE, DELTALITE BLK 2" (1	0/BX)
	279696	6064	J&JOPD	04			CAST TAPE, DELTALITE 4"X4YDS B	LK 10BX)
	464983	3874	J&JOPD	04			TAPE, DELTALITE "S" 4"X4YDS BL	K (10/BX)

MATERIAL SAFETY DATA SHEET

JOHNSON & JOHNSON ORTHOPAEDICS, INC.
325 PARAMOUNT DRIVE
RAYNHAM, MA 02767
1-800-526-2459 #2

1. IDENTIFICATION:

DELTA-LITE • "S" Fiberglass Casting Tape / Green label

Product Code: 6812-6815, 6732-6734, 6742-6744, 6752-6754, 3802-3804, 3812-3814, 3822-3824, 3852-3854, 3862-3864, 3872-3874, 3882-3884, 5992-5994, 6002-6004.

2. INGREDIENTS:	C.A.S.	%	EXPOSURE LIMITS	REF.
polypropylene polyol diphenyl methane diisocyanate prepolymer	9048-57-1	34.1	NA	5
methylene bisphenyl isocyanate (MDI)	101-68-8	7.3	0.051 mg/m ³	2
silicone	—	trace	NA	5
aluminum foil pouch	—	5.6	NA	5
fiberglass knit fabric	—	50.3	10 mg/m ³	2
polyethylene core	—	2.7	NA	5

References for Exposure Limit Data

1. Federal OSHA Permissible Exposure Limit
2. ACGIH Threshold Limit Values
3. NIOSH Exposure Limit Values
4. Chemical Manufacturers Recommended Guidelines
5. None Established (NA-Not Applicable/ND-Not Determined)

3. PHYSICAL DATA:

APPEARANCE AND ODOR: DELTA-LITE 'S' Fiberglass Casting Tape is composed of a knitted fiberglass substrate impregnated with a polyurethane resin, polypropylene polyol diphenyl methane diisocyanate prepolymer. The prepolymer contains free methylene bisphenyl isocyanate.

BOILING POINT: 392°F @ 5 MM HG **FREEZING POINT:** NA

SPECIFIC GRAVITY: 1.23 @ 110°F (prepolymer)

PH: 4-6

ODOR THRESHOLD: NA

4. **FIRE AND EXPLOSION DATA:**

FLASH POINT: ASTM D-93 (CLOSED CUP) > 350°F FLAMMABILITY CLASS: NA
AUTO IGNITION: Not Available
LOWER EXPLOSIVE LIMIT (%): Not Available
UPPER EXPLOSIVE LIMIT (%): Not Available
SPECIAL FIRE FIGHTING PROCEDURES: Waterfog, CO₂, Dry Chemical,
Alcohol or Polymer Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fires can release nitrogen oxides and isocyanate vapors. Fire fighters should wear SCBA's and protective clothing.

5. **HEALTH EFFECTS AND FIRST AID PROCEDURES:**

EYES: May cause eye irritation during-initial use based on the prepolymer. Eye irritation may also occur during cast removal.

FIRST AID: If eye irritation occurs, flush eyes with water for fifteen minutes, seek medical attention.

SKIN: May cause skin irritation upon contact. Isocyanate materials may also cause an allergic skin reaction.

FIRST AID: Flush skin with plenty of water. If allergic skin reaction is suspected, remove individual from exposure and seek medical attention.

INHALATION: At room temperature (< 80°F) vapors are minimal due to the low vapor pressure of the prepolymer, and no inhalation hazard is present. After opening of the pouch, immediate immersion in water will avoid release of isocyanate vapors.

If the material is heated before curing isocyanate vapors maybe released. Excessive exposure to these vapors may cause irritation of the respiratory tract and lungs, and pulmonary edema. Effects of these vapors may be delayed. Susceptible individuals may develop respiratory sensitization.

The fiberglass substrate is a low dust/fiber releasing material. Free fiberglass dust particles are not expected to be released as the substrate is bound by the prepolymer.

FIRST AID: Remove to fresh air if effects occur. Seek medical attention treatment of inhalation symptoms involves supportive care and is based on the judgment of the physician in response to reactions of the patient.

INGESTION: May cause irritation and possible corrosive action on the mouth and stomach tissue. Vomiting may occur. Ingestion of the cast material may cause physical blockage of the G.I. tract.

FIRST AID: Seek immediate medical attention.

6. **REACTIVITY DATA:**

- GENERAL REACTIVITY:** Reactive
- INCOMPATIBILITY:** Water, strong bases, alcohol, metal compounds, surface active agents.
- POLYMERIZATION:** May Occur
- CONDITIONS TO AVOID:** Polymerization may occur if material is heated for long periods.

7. **SPILL PROCEDURES DISPOSAL REQUIREMENTS**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Exposed prepolymer will react with ambient moisture and polymerize (harden). A dilute ammonia solution (10%) will neutralize unreacted prepolymer.

WASTE AND CONTAINER DISPOSAL METHODS: Dispose of in accordance with local, state, and federal regulations. Hardened cast material is not classified as a hazardous waste and may be disposed of in an ordinary landfill.

8. **SPECIAL PROTECTION INFORMATION:**

RESPIRATORY PROTECTION: None required during cast application. During cast removal NIOSH approved dust respirator if concentration exceeds the Threshold Limit Value for nuisance dust.

VENTILATION: Normal mechanical (dilution) ventilation during cast application. Recommend local exhaust ventilation during cast removal to minimize dust exposure to employees.

EYE PROTECTION: Safety glasses with sideshields are recommended to prevent dust/particle contact.

GLOVES: Rubber or Vinyl, use gloves with product.

9. **SPECIAL PRECAUTIONS:**

PRECAUTION TO TAKE IN STORAGE AND HANDLING: Storage temperatures should not exceed 75°F (24°C) to prevent premature hardening of the product.