

MATERIAL SAFETY DATA SHEET

JOHNSON & JOHNSON ORTHOPAEDICS, INC.  
325 PARAMOUNT DRIVE  
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1. IDENTIFICATION:

ORTHOFLEX® Elastic Plaster Bandages

Product Code: 7324, 7325

2. <u>INGREDIENTS:</u>	C.A.S.	%	EXPOSURE LIMITS	REF.
calcium sulfate hemihydrate	7778-18-9	93	10mg/m <sup>3</sup>	2
non-hazardous binder	_____	1	NA	5
starch	9005-25-8	1	10mg/m <sup>3</sup>	2
cotton gauze	_____	3	NA	5
rubber	_____	1	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: ORTHOFLEX ELASTIC PLASTER BANDAGES consist of a rubber-elastic fabric coated with plaster of paris.

BOILING POINT: NA FREEZING POINT: NA

SPECIFIC GRAVITY: NA

PH: NA ODOR THRESHOLD: NA

I-004782 C-7324  
I-004783 C-7325

4. **FIRE AND EXPLOSION DATA:**

FLASH POINT: NA FLAMMABILITY CLASS: NA  
AUTO IGNITION: NA  
LOWER EXPLOSIVE LIMIT (%): Not Available  
SPECIAL FIRE FIGHTING PROCEDURES: NA  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

5. **HEALTH HAZARDS**

TOXICITY DATA: Not listed in RTECS. Virtually non-toxic. Acute oral toxicity in mice is greater than 6.0 gm/kg.

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

**EYES:** Contact with dust may cause irritation.

**FIRST AID:** Flush eyes with plenty of water to remove dust particles. Seek medical attention if irritation occurs.

**SKIN:** May develop sufficient heat to cause burns if a large mass, such as a cast of a hand or an arm, is kept in contact with skin while hardening.

**FIRST AID:** Flush skin with plenty of water. Seek medical attention if burns are severe.

**INHALATION:** Calcium Sulfate (plaster of paris) is considered a nuisance dust and is relatively inert. Inhalation of dust particles may cause physical irritation of nasal passage throat, and respiratory system.

**FIRST AID:** Remove to fresh air. If breathing difficulties occur, seek medical attention.

**INGESTION:** Ingestion of Orthoflex before being wetted out may result in hardening after absorbing moisture from the G.I. tract, resulting in obstruction, particularly at the pylorus. No symptoms expected from ingestion of small amounts of the hardened bandage.

**FIRST AID:** If ingestion occurs, seek prompt medical attention. Treat symptoms of physical obstruction of passageways.

6. **REACTIVITY DATA:**

**GENERAL REACTIVITY:** Stable under all foreseeable conditions.

**INCOMPATIBILITY:** NA

**POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** Avoid contact with high humidity conditions/water in storage to avoid premature hardening of the casting material.

7. **SPILL PROCEDURES DISPOSAL REQUIREMENTS**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Place material into clean dry container and cover. Vacuum up remaining dust on floor to minimize creating excess airborne dust by sweeping. Wash spill with plenty of water.

**WASTE AND CONTAINER DISPOSAL METHODS:** Dispose of in accordance with all applicable local, state, and federal environmental regulations. Not considered a hazardous waste under RCRA or EPA definition. Plaster of paris may plug drains when solidified.

8. **SPECIAL PROTECTION INFORMATION:**

**RESPIRATORY PROTECTION:** NIOSH approved dust respirator (nuisance dust) if concentration exceeds the Threshold Limit Value.

**VENTILATION:** Recommend during cast removal.

**EYE PROTECTION:** Safety glasses recommended. Dust goggles during cast removal.

**GLOVES:** Impervious gloves recommended to prevent physical skin irritation from handling cast material.

**OTHER:** None

9. **SPECIAL PRECAUTIONS:**

**PRECAUTIONS TO TAKE IN STORAGE AND HANDLING:**

Dew point conditions or other conditions causing the presence of water will harden plaster during storage.