

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 02/11/2009  
 SDS No : IS1004  
 Date Revised : 10/28/2015  
 Revision No : 2

## HydroGel™ Alginate Impression Material

### SECTION 1 : Identification of the substance/preparation and of the company/undertaking

#### 1.1. Product identifier

**Product code** : 89525; 89531  
**Product name** : HydroGel™ Alginate Impression Material  
**Product description** : 7040M8EG

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Ortho Technology, Inc.  
 17401 Commerce Park Boulevard  
 Tampa, FL 33647

**Emergency Phone** : 1-800-999-3161  
**E-Mail** : ljohnson@orthotechnology.com

### SECTION 2: Hazards identification


#### 2.1. Classification of the substance or mixture

**Classification according to Directive 1999/45/EC**

#### 2.2. Label elements

Avoid breathing dust/fume/gas/mist/vapours/spray.

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

**Hazard pictogram(s)** :   
 Exclamation mark

**Hazard statement(s)** : H302 + H332: Harmful if swallowed or if inhaled.

#### 2.3. Other hazards

**Immediate concerns** : **Warning: This product contains, silica, crystalline (airborne particles of respirable size) which is known by the State of California to cause cancer.**

### SECTION 3: Composition / information on ingredients

#### 3.1. Substances

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Following eyes** : Flush with plenty of water. If irritation persists, consult a physician.  
**Following skin** : Wash off with plenty of soap and water, If irritation persists after washing, consult a physician.

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

**Date Issued :** 02/11/2009  
**SDS No :** IS1004  
**Date Revised :** 10/28/2015  
**Revision No :** 2

## HydroGel™ Alginate Impression Material

**Following inhalation** : Move person to fresh air immediately. Drink water to clear throat and blow nose to evacuate dust. If irritation persists, consult a physician.

### 4.2. Most important symptoms and effects, both acute and delayed

**Eyes** : Temporary eye irritation or inflammation.

**Inhalation** : Irritation and soreness in throat and nose. In extreme exposures some congestion may occur.

### 4.3. Indication of any immediate medical attention and special treatment needed

## SECTION 5: Fire fighting measures

### 5.1. Extinguishing media

**Extinguishing media** : NA = Not Applicable

### 5.2. Special hazards arising from the substance or mixture

**Fire explosion** : In common with most organic materials, this product should be treated as a combustible dust in the finely divided and suspended state.

### 5.3. Advice for firefighters

**Fire fighting procedures** : None

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

### 6.2. Environmental precautions

### 6.3. Methods and material for containment and cleaning up

**Small spill** : Vacuum clean dust with equipment fitted with HEPA filter. Use a dust suppressant such as water or sweeping compound if sweeping is necessary.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**General procedures** : Avoid breathing dust and contact with eyes.

**Handling** : Minimize dust generation and accumulation.

**Storage** : Keep all containers closed and sealed when not in use.

### 7.2. Conditions for safe storage, including any incompatibilities

### 7.3. Specific end use(s)

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

**Engineering controls** : Use sufficient natural or mechanical ventilation to keep dust level

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

**Date Issued :** 02/11/2009  
**SDS No :** IS1004  
**Date Revised :** 10/28/2015  
**Revision No :** 2

## HydroGel™ Alginate Impression Material

below PEL.

- Eye/face protection** : Goggles or safety glasses with side shields are recommended.
- Respiratory protection** : Recommend NIOSH approved nuisance dust mask.
- Protective clothing** : None
- Work hygienic practices** : Use only by professionals trained in using this product.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state** : Dry fluffy powder with various odors, may be colored.
- Colour** : Off-white
- Melting temperature** : NA = Not Applicable
- Boiling temperature** : NA = Not Applicable
- Evaporation rate** : NA = Not Applicable
- Flammable limits** : N/A to N/A
- Vapor pressure** : NA = Not Applicable
- Vapor density** : NA = Not Applicable
- Specific gravity** : NA = Not Applicable
- Solubility in water** : Partially Soluble

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

- Chemical stability** : Stable.

#### 10.3. Possibility of hazardous reactions

- Hazardous polymerization** : Will not occur

#### 10.4. Conditions to avoid

- Conditions to avoid** : High humidity and water contamination will cause material to gel.  
Prolonged exposure to heat greater than 140F/60C.

#### 10.5. Incompatible materials

- Incompatible materials** : Contact with oxygen difluoride, chlorine trifluoride or fluorine.

#### 10.6. Hazardous decomposition products

- Hazardous decomposition products** : None

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

### SECTION 12: Ecological information

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

**Date Issued :** 02/11/2009  
**SDS No :** IS1004  
**Date Revised :** 10/28/2015  
**Revision No :** 2

## HydroGel™ Alginate Impression Material

### 12.1. Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

**Environmental data** : Not Available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal method** : Dispose in accordance with local, state, and federal regulations.

## SECTION 14: Transport information

### 14.1. UN number

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### 14.4. Packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Additional information** : Not Available

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. Chemical safety assessment

**Additional information** : Not Available

## SECTION 16: Other information

**Reason for issue** : New MSDS Format

**Approved by** : J. Hutchins **Title** :QA / RA Director

**Prepared by** : T. Swan

**Information contact** : 1-800-999-3161

**Revision summary** : This MSDS replaces the 02/11/2009 MSDS. Revised: **Section 1:** REASON FOR ISSUE. **Section 2:** .

**Manufacturer disclaimer** : The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Ortho Technology assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by this material. Such vendees or users assume all risks associated

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 453/2010

**Date Issued :** 02/11/2009  
**SDS No :** IS1004  
**Date Revised :** 10/28/2015  
**Revision No :** 2

**HydroGel™ Alginate Impression Material**

---

with the use of the material.