HydroGel™ Alginate Impression Material

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HydroGel™ Alginate Impression Material
PRODUCT DESCRIPTION: 7040M8EG
PRODUCT CODE: 89525; 89531

MANUFACTURER
Ortho Technology, Inc.
17401 Commerce Park Boulevard
Tampa, FL 33647
Emergency Phone: 1-800-999-3161
E-Mail: ljohnson@orthotechnology.com

2. HAZARDS IDENTIFICATION

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

Exclamation mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS
H302 + H332: Harmful if swallowed or if inhaled.

EMERGENCY OVERVIEW
PHYSICAL APPEARANCE: Dry, fluffy powder with various odors; may be colored.
IMMEDIATE CONCERNS: Warning: This product contains, silica, crystalline (airborne particles of respirable size) which is known by the State of California to cause cancer.
MEDICAL CONDITIONS AGGRAVATED: Pre-existing respiratory and lung disease such as, but not limited to, bronchitis, emphysema, asthma.
ROUTES OF ENTRY: Inhalation, Ingestion, and Skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS

4. FIRST AID MEASURES

EYES: Flush with plenty of water. If irritation persists, consult a physician.
SKIN: Wash off with plenty of soap and water, If irritation persists after washing, consult a physician.
INHALATION: Move person to fresh air immediately. Drink water to clear throat and blow nose to evacuate dust. If irritation persists, consult a physician.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
EYES: Temporary eye irritation or inflammation.
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**INHALATION:** Irritation and soreness in throat and nose. In extreme exposures some congestion may occur.

**ACUTE EFFECTS:** Transitory upper respiratory irritation or eye irritation.

**CHRONIC EFFECTS:** Inhalation of crystalline silica has been classified by IARC carcinogenic for humans (Group 1). Inhalation of crystalline silica is also a known cause of silicosis, a noncancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 52% free crystalline silica. As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).

**5. FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** NA = Not Applicable

**FIRE FIGHTING PROCEDURES:** None

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

**6. ACCIDENTAL RELEASE MEASURES**

**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.

**7. HANDLING AND STORAGE**

**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.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Use sufficient natural or mechanical ventilation to keep dust level below PEL.

**PERSONAL PROTECTIVE EQUIPMENT**

- **EYES AND FACE:** Goggles or safety glasses with side shields are recommended.
- **RESPIRATORY:** Recommend NIOSH approved nuisance dust mask.
- **PROTECTIVE CLOTHING:** None
- **WORK HYGIENIC PRACTICES:** Use only by professionals trained in using this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Dry fluffy powder with various odors, may be colored.

**COLOR:** Off-white

**FLAMMABLE LIMITS:** N/A to N/A

**VAPOR PRESSURE:** NA = Not Applicable

**VAPOR DENSITY:** NA = Not Applicable

**BOILING POINT:** NA = Not Applicable

**MELTING POINT:** NA = Not Applicable

**SOLUBILITY IN WATER:** Partially Soluble
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10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable.
CONDITIONS TO AVOID: High humidity and water contamination will cause material to gel. Prolonged exposure to heat greater than 140F/60C.
HAZARDOUS DECOMPOSITION PRODUCTS: None
INCOMPATIBLE MATERIALS: Contact with oxygen difluoride, chlorine trifluoride or fluorine.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Temporary eye irritation or inflammation.
CARCINOGENICITY
  IARC: Yes
  NTP: Yes
  OSHA: Yes

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

COMMENTS: Not Available

15. REGULATORY INFORMATION

COMMENTS Not Available

16. OTHER INFORMATION

REASON FOR ISSUE: New MSDS Format
APPROVED BY: J. Hutchins TITLE: QA / RA Director
PREPARED BY: T. Swan Date Revised: 10/28/2015
INFORMATION CONTACT: 1-800-999-3161
REVISION SUMMARY: This MSDS replaces the 02/11/2009 MSDS. Revised: Section 1: REASON FOR ISSUE. Section 2: .
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HMIS RATING

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