

SAFETY DATA SHEET

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

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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EVAPORATION RATE: NA = Not Applicable

SPECIFIC GRAVITY: NA = Not Applicable

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

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

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION	<input type="checkbox"/>	

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