SAFETY DATA SHEETS

This SDS packet was issued with item:

071418672

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071418508 071418516 071418524 071418680 071418698 273002322 273016226 273017696

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

071418623 071418656 071418664 071422609 071426311

Bosworth Company

SAFETY DATA SHEET

NAME OF PRODUCT: SUPERGEL® Alginate Impression Material SDS DATE: 06/19/2014

SECTION 1: IDENTIFICATION

PRODUCT NAME: SUPERGEL Alginate Impression Material

PRODUCT CODES: 0921812, 0921813, 0921819, 0921822, 0921823, 0921825, 0921826, 0921827, 0921830

IDENTIFIED USES: Dentistry
USES ADVISED AGAINST: Non-dental use

MANUFACTURER: Harry J. Bosworth Company

ADDRESS: 7227 North Hamlin Avenue, Skokie, Illinois 60076-3999, USA

 TELEPHONE:
 847-679-3400

 FAX:
 847-679-2080

 EMAIL:
 hjbinfo@bosworth.com

 EMERGENCY PHONE:
 800-535-5053 (US and C.)

EMERGENCY PHONE: 800-535-5053 (US and Canada) 352-323-3500 (International)

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Acute toxicity, Oral (Category 5)

Skin sensitization (Category 1) Eye irritation (Category 2A)

Specific target organ toxicity - single exposure (Category 3), Respiratory system

Carcinogenicity (Category 2)

Specific target organ toxicity - repeated exposure (Category 2)

LABELING: FDA regulated device - exempt from Regulation (US) 29 CFR 1910.1200.

PICTOGRAM:

(1)

SIGNAL WORD: Warning

HAZARD STATEMENTS:H303May be harmful if swallowed.H317May cause an allergic skin reaction.H319Causes serious eye irritation.H335May cause respiratory irritation.H351Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

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PRECAUTIONARY STATEMENTS: P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P234 Keep only in original container. P235+P410 Keep cool. Protect from sunlight.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301+P330 IF SWALLOWED: Rinse mouth.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P321 Specific treatment (see supplemental first aid instructions on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

P342+P313 If experiencing respiratory symptoms: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

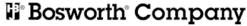
P391 Collect spillage.
P402 Store in a dry place.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	%WT	OSHA PEL - TWA	ACGIH TLV - TWA	CLASSIFICATION
Diatomaceous	68855-54-9	45-60	(80 mg/m³)/(%SiO₂)	0.1 mg/m ³	Eye Irrit. 2A; STOT SE 3; STOT RE 2;

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SAFETY DATA SHEET

NAME OF PRODUCT: SUPERGEL® Alginate Impression Material

		0 -				
Earth (Calcined)					H319, H335, H373	
Silicon Dioxide	14464-46-1	25-40	1/2(30 mg/m ³)/(%SiO ₂ +2) (T); 1/2(10 mg/m ³)/(%SiO ₂ +2) (R)	0.025 mg/m ³	STOT RE 2; H373	
Titanium Dioxide	13463-67-7	1-5	15 mg/m³ (T)	10 mg/m ³	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H332, H335	
Dipotassium Hexafluorotitanate	16919-27-0	1-5	2.5 mg/m ³ (as F)	2.5 mg/m ³ (as F)	Acute Tox. 4; Eye Dam. 1; Skin Sens. 1; H302, H317, H318	
Quartz	14808-60-7	0.5-3.0	(30 mg/m³)/(%SiO ₂ +2) (T); (10 mg/m³)/(%SiO ₂ +2) (R)	0.025 mg/m ³	Carc. 2; STOT RE 2; H351, H373	
Tetrasodium Pyrophosphate	7722-88-5	0.5-2.0	N/E	5 mg/m ³	Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H335	

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SDS DATE: 06/19/2014

For full text of H-statements mentioned in this section, see section 16.

SECTION 4: FIRST-AID MEASURES

INHALATION: Move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical

attention.

SKIN: Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

FVF. Flush eyes with water for 15 minutes as a precaution. Get medical attention if irritation develops and persists. INGESTION: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of silicon, carbon, potassium, titanium, phosphorus and sodium. Hydrogen Fluoride.

SPECIAL HAZARDS: No further relevant information available.

ADVICE FOR FIREFIGHTERS: Avoid extinguishing methods which may generate dust clouds. Wear self contained breathing apparatus for

firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure

adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

CONTAINMENT AND CLEANUP: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers

for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Product is intended for dental use only. Handling of this product should be by trained dental healthcare

> professionals only. Observe normal care for working with chemicals. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid inhalation of dust. Provide appropriate exhaust ventilation at places

where dust is formed. Keep away from foodstuffs, beverages and animal feed.

CONDITIONS FOR SAFE STORAGE: Store only in the original package. Keep container tightly closed in a dry and well-ventilated place. Protect

from heat and direct sunlight. Store away from food and beverages.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Handle in accordance with good industrial hygiene and safety practice. Use with adequate general or local

> exhaust ventilation to maintain exposure levels below the occupational exposure limits. Local exhaust ventilation is preferred since it prevents contamination dispersion into the work area by controlling it at its source. Provide eyewash and safety shower if contact or splash hazard exists. Wash hands before breaks and

at the end of work. Safety glasses.

EYE/FACE PROTECTION: SKIN PROTECTION: Glove material impermeable and resistant to the product.

BODY PROTECTION: Protective work clothing.

RESPIRATORY PROTECTION: NIOSH (US) or CEN (EU) approved respirators and components.

ENVIRONMENTAL EXPOSURE: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/COLOR: Original/Magic - Fine off-white powder; Fresh - Fine light blue powder

ODOR: Original/Magic - Sassafras; Fresh - Black cherry

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Bosworth Company

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NAME OF PRODUCT: SUPERGEL® Alginate Impression Material

RELATIVE DENSITY (H2O=1.0): 0.3 g/cm³

WATER SOLUBILITY: Partially soluble - forms gel

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions. **HAZARDOUS REACTIONS:** No further relevant information available.

CONDITIONS TO AVOID: Exposure to moisture. Heat. **INCOMPATIBLE MATERIALS:** Strong acids, oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of silicon, carbon, potassium, titanium, phosphorus and sodium. Hydrogen Fluoride.

SECTION 11: TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: EYES: May cause eye irritation with redness, tearing and stinging. Prolonged exposure can cause eye damage.

SKIN: May cause skin irritation with redness, swelling and itching. Repeated or prolonged contact may cause

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drying, defatting of the skin and dermatitis.

<u>INGESTION:</u> May be harmful if swallowed. May cause mucous membrane and gastrointestinal irritation. <u>INHALATION:</u> May be harmful if inhaled. May cause respiratory tract irritation. Prolonged inhalation of

crystalline silica may result in silicosis.

CARCINOGENICITY: OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or possible carcinogen by OSHA.

ACGIH: Silicon dioxide is identified as a suspected human carcinogen by ACGIH. Quartz is identified as a

suspected human carcinogen by ACGIH.

NTP: Silicon dioxide is identified as a known human carcinogen by NTP. Quartz is identified as a known human

carcinogen by NTP.

<u>IARC:</u> Silicon dioxide is identified as a human carcinogen by IARC. Quartz is identified as a human carcinogen

by IARC. Titanium dioxide is identified as a possible human carcinogen by IARC. Diatomaceous earth

(calcined) is identified as not classifiable as to its carcinogenicity to humans by IARC.

SECTION 12: ECOLOGICAL INFORMATION

ADVERSE EFFECTS: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: DISPOSAL CONSIDERATIONS

PRODUCT: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional

waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to

official regulations.

CONTAMINATED PACKAGING: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: N/A
PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
PACKING GROUP: N/A
LABEL STATEMENT: N/A

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA: This product is an FDA regulated device and not subject to TSCA regulations.

CERCLA: This product is an FDA regulated device and not subject to reporting requirements. There may be specific

reporting requirements at the local, regional, or state level.

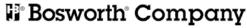
SARA 313 TOXIC CHEMICALS: The following components are subject to reporting levels established by SARA Title III, Section 313 (40 CFR

372): None.

SARA 311/312 HAZARDS: This product is an FDA regulated device and not subject to reporting requirements.

US STATE REGULATIONS

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NAME OF PRODUCT: SUPERGEL® Alginate Impression Material SDS DATE: 06/19/2014

CALIFORNIA PROPOSITION 65: This product may contain a chemical known to the State of California to cause cancer and/or reproductive

toxicity.

INTERNATIONAL REGULATIONS

CANADIAN ENVIRONMENTAL

PROTECTION ACT:

This product is a medical device and not subject to chemical notification requirements.

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EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES

(EINECS): This product is a medical device and not subject to chemical notification requirements.

SECTION 16: OTHER INFORMATION

FULL TEXT OF H STATEMENTS REFERRED TO UNDER SECTION 3

Acute Tox.

Carc.

Carcinogenicity

Eye Dam.

Eye Irrit.

H302

H315

Acute toxicity

Carcinogenicity

Serious eye damage

Eye irritation

Harmful if swallowed.

Causes skin irritation.

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation. H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

Skin Irrit. Skin irritation
Skin Sens. Skin sensitization

STOT RE Specific target organ toxicity – repeated exposure STOT SE Specific target organ toxicity – single exposure

NFPA RATING

Health Hazard 2 Fire Hazard 0 Reactivity Hazard 0

PREPARATION INFORMATION: This SDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product.

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, The Harry J. Bosworth Company does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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