

# 9-MATERIAL SAFETY DATA SHEET

## HARRY J. BOSWORTH COMPANY

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HAZARD RATING	
N	4 - EXTREME
F	3 - HIGH
P	2 - MODERATE
A	1 - SLIGHT
	0 - INSIGNIFICANT

Fire

Health

Reactivity

Special

1

0

**PRODUCT:** Supergel® Alginate Regular and Fast Set

**DATE PREPARED:** 10/22/98

Hazardous Components		Physical/Chemical Characteristics	
INGREDIENTS: 1. Potassium Fluotitanate 2. Diatomaceous Earth	PERCENTAGE: N/A N/A	BOILING POINT/FLASH POINT: N/A	pH: N/A
COMMON NAMES AND SYNONYMS: 1. Inorganic Fluoride Salt 2. Silica	CAS NUMBER: 1. 16919-27-0 2. 14464-46-1	VISCOSITY: <1.00	DENSITY: g/cm <sup>3</sup> N/A
PEL: 1. 2.5mg/m <sup>3</sup> Fluoride 2. 0.05mg/m <sup>3</sup> Silica, respirable	UN NUMBER: 1. UN 1760 2. N/A	VAPOR PRESSURE: N/A	EVAPORATION RATE: N/A
TLV: 1. 2.5mg/m <sup>3</sup> Fluoride 2. 0.05mg/m <sup>3</sup> Silica		APPEARANCE/ODOR: Off white fine powder. Distinct odor of sassafras with menthol	SOLUBILITY IN WATER: forms gel

Reactivity Data		Fire and Explosion Hazard Data	
STABILITY: Stable		FLASH POINT: N/A	LIMITS: LEL: N/A UEL: N/A
CONDITIONS TO AVOID: Avoid heat over 25°C (77°F) and humidity over 50%.		EXTINGUISHING MEDIA: Water, foam, dry chemical and CO <sub>2</sub>	
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, fluoride, sulphur and potassium compounds		SPECIAL FIREFIGHTING PROCEDURES: Use proper protective clothing. Fight fire from safe distance..	
HAZARDOUS POLYMERIZATION: Will not occur		UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards are associated with this material.	
CONDITIONS TO AVOID: Avoid oxidizing agent, strong acid and excessive heat over 140°F			

## Health Hazard Data

**CARCINOGENICITY:**

California Proposition 65 Warning: This product may contain a chemical known to the state of California to cause cancer

**NPT:**

N/A

**IARC:**

N/A

**OSHA REGULATED:**

N/A

### Effects and Hazards of Overexposure (Acute and Chronic)

**EFFECTS AND HAZARDS OF EYE CONTACT:**

May cause irritation upon prolonged exposure.

**EFFECTS AND HAZARDS OF SKIN CONTACT:**

None except drying of skin

**EFFECTS AND HAZARDS OF INHALATION (BREATHING):**

Prolonged exposure to excessive concentration of dust may cause silicosis.

**EFFECTS AND HAZARDS OF INGESTION (SWALLOWING):**

None known.

## Emergency and First Aid Procedures

**TREATMENT FOR EYE CONTACT:**

Flush eyes with plenty of water for at least 15 minutes. If irritation persists, see physician

**TREATMENT FOR SKIN CONTACT:**

Wash skin with soap and water.

**TREATMENT FOR INHALATION (BREATHING):**

Move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

**TREATMENT FOR INGESTION (SWALLOWING):**

Drink plenty of water.

### Precautions for Safe Handling and Use

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Use dust suppressant and sweep up spill. Avoid excessive dust.

**WASTE DISPOSAL METHOD:**

Dispose of in accordance with local, state, and federal regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Handle with care, avoid dust. Store in a cool dry place.

**OTHER PRECAUTIONS:**

This product is for dental use only as stated in directions. Personnel are to be trained before using.

## Control Measures

**RESPIRATORY PROTECTION:**

NIOSH approved respirator for protection against silicosis producing dust.

**Ventilation****LOCAL EXHAUST VENTILATION**

Use exhaust fan.

**SPECIAL VENTILATION:**

Exit area

**MECHANICAL (GENERAL) VENTILATION:**

Dust collector

**OTHER VENTILATION:**

Open windows, if necessary

**PROTECTION GLOVES:**

For hygienic purposes

**EYE PROTECTION:**

Safety glasses at minimum

**OTHER PROTECTIVE EQUIPMENT:**

Uniform or lab coat

**WORK AND HYGIENIC PRACTICES:**

Maintain asepsis, wash hands after contact.

## Additional Information

This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29CFR 1910.1200) and is to be used only for this product. The information contained in this sheet is, to the best of our knowledge, believed to be accurate

**Health Hazard Index:****Ratings:**

SEVERE HAZARD

1

SERIOUS HAZARD

2

MODERATE HAZARD

3

SLIGHT HAZARD

4

MINIMUM HAZARD

⑤

**Shipping Information****REGULATED IATA:**

N/A

**PROPER SHIPPING NAME:**

Gypsum

**HAZARD CLASS:**

N/A

**IDENTIFICATION NUMBER:**

N/A

**PACKAGING GROUP:**

N/A

LABEL: N/A

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.