

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	

PRODUCT: Supergel[®] Alginate Regular and Fast Set

DATE PREPARED: 11/01/00

Hazardous Components	
INGREDIENTS: 1. Potassium Fluorotitanate 2. Diatomaceous Earth	PERCENTAGE: 1. N/A 2. N/A
COMMON NAMES AND SYNONYMS: 1. Inorganic Fluoride Salt 2. Silica	CAS NUMBER: 1. 16919-27-0 2. 14464-46-1
PEL: 1. 2.5 mg/m ³ Fluoride 2. 0.05 mg/m ³ Silica, respirable	UN NUMBER: 1. UN 1760 2. N/A
TLV: 1. 2.5 mg/m ³ Fluoride 2. 0.05 mg/m ³ Silica	

Physical/Chemical Characteristics	
BOILING POINT/FLASH POINT: N/A	pH: N/A
VISCOSITY: N/A	DENSITY: g/cm³ N/A
VAPOR PRESSURE: N/A	EVAPORATION RATE: (Butyl Acetate = 1) N/A
APPEARANCE/ODOR: Off white fine powder. Distinct odor of sassafras with menthol	SOLUBILITY IN WATER: Forms gel

Reactivity Data
STABILITY: Stable
CONDITIONS TO AVOID: Avoid heat over 25°C (77°F) and humidity over 50%.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, fluoride, sulphur and potassium compounds
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Avoid oxidizing agent, strong acid and excessive heat over 140°F

Fire and Explosion Hazard Data	
FLASH POINT: N/A	LIMITS: LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: Water, foam, dry chemical and CO ₂	
SPECIAL FIREFIGHTING PROCEDURES: Use proper protective clothing. Fight fire from safe distance..	
UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards are associated with this material.	

Health Hazard Data

CARCINOGENICITY: California Proposition 65 Warning: This product may contain a chemical known to the state of California to cause cancer	NTP: 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 professional use only as stated in directions, by dentist or other person knowledgeable about this material

Control Measures

RESPIRATORY PROTECTION: NIOSH approved respirator for protection against silicosis producing dust.
Ventilation
LOCAL EXHAUST VENTILATION Use exhaust fan.
SPECIAL VENTILATION: None required
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.

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