

# MATERIAL SAFETY DATA SHEET

**HARRY J. BOSWORTH COMPANY**  
 7227 North Hamlin Avenue  
 Skokie, Illinois 60076-3999  
 Information Phone: 847.679.3400  
 Emergency Phone: 800.535.5053

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

## PRODUCT: Aegis Pit & Fissure Sealant

DATE PREPARED: 02/13/2004

Hazardous Components	
<b>INGREDIENTS:</b> A mixture of ACP and a resin composed of urethane dimethacrylate, modified - bis - GMA, mono - and di - methacrylates.	<b>PERCENTAGE:</b> N/A
<b>COMMON NAMES AND SYNONYMS:</b> Dental resin pit and fissure sealant filled with amorphous calcium phosphate.	<b>CAS NUMBER:</b> N/A
<b>PEL:</b> 15 mg/m <sup>3</sup> TWA for ACP N/A for resin	<b>UN NUMBER:</b> N/A
<b>TLV-TWA:</b> 10 mg/m <sup>3</sup> for ACP N/A for resin	

Physical/Chemical Characteristics	
<b>BOILING POINT:</b> N/A	<b>pH:</b> N/A
<b>VISCOSITY:</b> N/A	<b>DENSITY: g/cm<sup>3</sup></b> 1.46
<b>VAPOR PRESSURE:</b> N/A	<b>EVAPORATION RATE:</b> (butyl acetate = 1) N/A
<b>APPEARANCE/ODOR:</b> Whitish paste with slight ester odor	<b>SOLUBILITY IN WATER:</b> Low solubility

Reactivity Data
<b>STABILITY:</b> Not stable
<b>CONDITIONS TO AVOID:</b> Temperatures over 80°F (27°C) or intense light may cause product to harden. Avoid high temperatures, ignition sources, oxidizing/reducing agents, acids, alkalis, peroxides, amines, direct sunlight
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Carbon monoxide and dioxide, hydrocarbons, calcium phosphate dust.
<b>HAZARDOUS POLYMERIZATION:</b> Will not occur
<b>CONDITIONS TO AVOID:</b> Heat and light

Fire and Explosion Hazard Data	
<b>FLASH POINT:</b> N/A	<b>LIMITS:</b> LEL: N/A UEL: N/A
<b>EXTINGUISHING MEDIA:</b> CO <sub>2</sub> , foam, dry chemical	
<b>SPECIAL FIREFIGHTING PROCEDURES:</b> N/A	
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> N/A	

Health Hazard Data	
<b>CARCINOGENICITY:</b> One component contains trace amounts of a substance known to the state of California to cause cancer and/or reproductive toxicity.	<b>NTP:</b> None known
<b>IARC:</b> None known	<b>OSHA REGULATED:</b> None known
Effects and Hazards of Overexposure (Acute and Chronic)	
<b>EFFECTS AND HAZARDS OF EYE CONTACT:</b> May irritate eyes	
<b>EFFECTS AND HAZARDS OF SKIN CONTACT:</b> Possible reaction to person sensitive to acrylics. Set material may adhere to skin causing irritation on removal.	
<b>EFFECTS AND HAZARDS OF INHALATION (BREATHING):</b> None known to set/cured material.	
<b>EFFECTS AND HAZARDS OF INGESTION (SWALLOWING):</b> None known to set/cured material.	
<b>OTHER REGULATORY INFORMATION:</b> One component contains trace amounts of Ethylene Oxide, a substance known to the state of California to cause cancer and/or reproductive toxicity.	

Emergency and First Aid Procedures
<b>TREATMENT FOR EYE CONTACT:</b> Wash eyes with plenty of water for 15 minutes. If irritation persists, consult a physician.
<b>TREATMENT FOR SKIN CONTACT:</b> Immediately wash skin with alcohol then with soap and water (for pastes). Wash skin with soap and water (cured material).
<b>TREATMENT FOR INHALATION (BREATHING):</b> Remove to fresh air. Contact physician if irritation persists.
<b>TREATMENT FOR INGESTION (SWALLOWING):</b> Induce vomiting if large amount is swallowed. Contact physician if irritation persists.
Precautions for Safe Handling and Use
<b>STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:</b> Paste – wipe surface and clean with alcohol, place in waste disposal container. Set material – sweep up and place in waste
<b>WASTE DISPOSAL METHOD:</b> If large amounts, follow local, state and federal laws.
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:</b> Handle with care, avoid prolonged exposure to strong light and temperatures over 80°F, 27°C
<b>OTHER PRECAUTIONS:</b> This product is for professional use only. It is the responsibility of the dentist to train personnel.

Control Measures
<b>RESPIRATORY PROTECTION:</b> None needed for product during normal use unless dentist or assistant is sensitive to acrylics. If sensitive to acrylics, either do not use product or at minimum wear self-contained breathing apparatus.
<b>Ventilation</b>
<b>LOCAL EXHAUST VENTILATION</b> General
<b>SPECIAL VENTILATION:</b> None required
<b>MECHANICAL (GENERAL) VENTILATION:</b> If available, use general ventilation
<b>OTHER VENTILATION:</b> None
<b>PROTECTION GLOVES:</b> Impervious or nitrile
<b>EYE PROTECTION:</b> Safety glasses, When curing, "orange" UV light shield or glasses.
<b>OTHER PROTECTIVE EQUIPMENT:</b> None for normal operation
<b>WORK AND HYGIENIC PRACTICES:</b> Avoid prolonged contact. Follow good hygiene practices.

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	
<b>Health Hazard Index:</b>	<b>Ratings:</b>
SEVERE HAZARD	1
SERIOUS HAZARD	2
MODERATE HAZARD	3
SLIGHT HAZARD	④
MINIMUM HAZARD	5
Shipping Information	
<b>REGULATED IATA:</b> N/A	
<b>PROPER SHIPPING NAME:</b> N/A	
<b>HAZARD CLASS:</b> N/A	
<b>IDENTIFICATION NUMBER:</b> N/A	
<b>PACKAGING GROUP:</b> N/A	
<b>LABEL:</b> 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.