

**MATERIAL SAFETY DATA SHEET: Bausch Arti Spot 3**

**IDENTITY:** Trade Name: Bausch Arti Spot 3 CODE: BK 87 (Blue)  
Chemical Description: Organic solvents (Ethanol, Propanol, Ethyl-Acetate), Glycerin, Natural resins, C.I. Pigment Blue 15 (FD&C Blue 1), Zinc stearate, Thickener, Camphor  
Product Use: Dental material: High spot indicator for crowns.

**SECTION I**

**Manufacturer:** Dr. Jean Bausch KG  
Oskar-Schindler-Str. 4  
D-50769 Cologne, Germany  
Tel: 49 221 70936-0 /  
Fax: 49 221 70936-666262  
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**Distributor:** Pulpdent Corporation  
80 Oakland Street  
Watertown, MA 02472 USA  
Tel.: 1-800-3434342 / 1-617-926-6666 Fax: 1-617-926-6666  
24 hour Emergency Number: 1-800-535-5053

**SECTION II - HAZARDOUS INGREDIENTS**

<i>Ingredients</i>	<i>PEL/TLV</i>	<i>UN Number</i>
Ethyl alcohol	1000 ppm	1170
Ethyl acetate	740 ppm	1173
Propyl alcohol	515 ppm	1274

DOT HAZARD CLASSIFICATION: Class 3 / Packing group II /Flammable liquid  
WHMIS CLASSIFICATION: B-2, Flammable liquid  
NFPA HMIS RATING: HEALTH: 0 FLAMMABILITY: 3 REACTIVITY: 0

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point: 192°F / 89.4°C Specific Gravity: 0.81 Vapor Pressure: 44.6  
Melting Point: -173°F / -114°C Vapor Density: n/a Evaporation Rate: 2.8  
Solubility in water: Partial Odor Threshold: 159 ppm  
Appearance / Odor: Blue liquid with characteristic alcohol / camphor odor.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

WARNING! FLAMMABLE. Avoid heat, sparks, flame, other ignition sources. Vapor forms flammable mixtures with air.  
Flash Point: 43°F/ 6°C (Tag closed cup) Autoignition Temperature: 423°C; Flam. Limits: LEL: 2.1 UEL: 13.5  
Extinguishing Media: Dry chemical, alcohol foam, carbon dioxide. Water will keep fire-exposed containers cool.  
Special Fire Fighting Procedures: If a leak/spill has not ignited, use water spray to disperse vapors and protect personnel. Water spray may be used to flush spills away and to dilute spills to nonflammable mixtures.  
Hazardous Combustion Products: Incomplete combustion may produce carbon monoxide / carbon dioxide.  
Unusual Fire and Explosion Hazards: To protect from smoke, fumes, hazardous decomposition products, firefighters should wear self-contained breathing apparatus in positive pressure mode with full face piece.

**SECTION V - REACTIVITY DATA**

Stability: Generally stable. Conditions to avoid: Heat, flame, sparks.  
Incompatibility: Avoid acetyl chloride and oxidizing agents which may react violently with this material.  
Hazardous Decomposition Products: Incomplete combustion produces carbon monoxide / carbon dioxide.  
Hazardous Polymerization: None. Conditions to avoid: None

**SECTION VI - HEALTH HAZARD DATA**

Summary of Acute Hazards: Minimal health hazard in normal use and in the quantities present in this product. For larger quantities and with prolonged exposure, ethyl alcohol is considered a moderate health hazard.

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Route of Exposure	Signs & Symptoms
Inhalation	None in normal conditions of use. Exposure > 1000 ppm may cause headache, drowsiness, loss of appetite, confusion, irritation of throat.
Eye Contact	Liquid or vapor may cause irritation.
Skin absorption	None in normal conditions of use. However, for large quantities and prolonged contact, similar symptoms to inhalation/ ingestion may occur.
Skin Contact	May cause irritation and defatting of skin on prolonged contact.
Ingestion	None in small quantities of normal use. Large quantities may cause depression of central nervous system, nausea, vomiting and diarrhea.

*Summary of Chronic Health Hazards:* Not a chronic health hazard under the normal conditions of use. Large quantities ingested over a prolonged period may be carcinogenic or a cause of Fetal Alcohol syndrome.

**Carcinogenicity** Not a carcinogen under normal conditions of use. The IARC has reported a relationship between abuse of alcoholic beverages and cancer of the oral cavity, pharynx, esophagus and liver.

**Teratogenicity, Mutagenicity, Reproductive Toxicity:** Ingestion of alcohol by pregnant women is associated with Fetal Alcohol Syndrome in offspring.

**Emergency First Aid Procedures:**

Inhalation	Remove to fresh air. If victim has stopped breathing, give artificial respiration. Get immediate medical attention.
Eye contact	Flush immediately with water for 15+ minutes. Seek medical care.
Ingestion	Large quantities: If conscious and able to swallow, have victim drink water or milk to dilute. Never give anything by mouth to unconscious or convulsing person. Call a physician or Poison Control Center at once. Induce vomiting only on their advice.
Skin contact	Immediately flush with cool water. Get medical attention for irritation.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE**

**Handling / Storage Precautions:** For small quantities: Store tightly capped in original container in a well-ventilated area; avoid heat, sparks, direct sunlight, oxidizing agents. Protect container against physical damage. Take same precautions when container is emptied, as residual product is hazardous.

**Steps to Be Taken if Material is Released or Spilled:** For small quantities: Wear gloves and safety glasses. Pick up with absorbent material, such as paper or cloth towels. Rinse towels and area of spill with water. Place all absorbent material in closed container away from heat, sparks, sun and oxidizers.

**Waste Disposal Method:** Follow all government regulations. **Other Precautions:** Wash hands after use.

**SECTION VIII - CONTROL MEASURES**

**Respiratory Protection:** Not necessary under normal conditions of use.

**Ventilation:** No special ventilation required under normal conditions of use. Large quantities and prolonged exposure require methods such as enclosure, local ventilation and dilution to reduce concentration below TLV.

**Protective Gloves:** Chemically impervious gloves are recommended.

**Eye Protection:** Safety glasses are recommended when no eye contact is anticipated. Chemical safety goggles should be worn whenever there is possibility of splashing or other contact with eyes.

**Other Protective Clothing or Equipment:** Emergency eye wash fountain.

**Work / Hygienic Practices:** Wash hands after use.

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*The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Dr. Jean Bausch KG bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.*