

## SAFETY DATA SHEET

PART NO: S232-110-001 Rev None

Benzoin Spray

SDS DATE: August 11, 2015

### SECTION 1: PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Benzoin Spray  
**Product Use:** Adhesive release  
**Product Codes:** Schuco Benzoin Medi-Spray  
  
**Manufacturer:** Allied Healthcare Products, Inc.  
**Address:** 1720 Sublette Avenue, St. Louis, MO 63110  
  
**Emergency Phone:** 314-771-2400  
**CHEMTREC Phone:** 800-262-8200  
**Other Calls:** N/A  
**FAX:** 314-268-1767  
**Restrictions on use:** Prescription; physician's order

### SECTION 2: HAZARDS IDENTIFICATION



**Primary hazard:** Highly flammable liquid and vapor  
**Physical Hazards:** Highly flammable liquid and vapor  
**Environmental Hazards:** N/A  
**Hazard Statements:** Highly flammable liquid and vapor  
 Causes mild skin irritation  
 Causes serious eye irritation  
 May cause an allergic skin reaction  
 May cause drowsiness and dizziness  
  
**Signal Word:** Danger

### SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	%WT
Ethyl Alcohol	64-17-15	85.5
Isopropyl Alcohol	67-63-0	8.0
Methyl Isobutyl Ketone	108-10-1	0.8
Benzoin	119-53-9	1.8
Rosin	8050-09-7	3.5
Polyvinylpyrrolidone	9003-39-8	0.1

### SECTION 4: FIRST AID MEASURES

**Inhalation:** Move victim to fresh air; if unconscious, place in recovery position and seek immediate medical attention; if victim has stopped breathing, give artificial respiration and seek medical attention immediately.  
**Eyes/Skin:** Flush with plenty of cool water for at least 15 minutes; seek medical attention.  
**Ingestion:** If victim is conscious, give water or milk to dilute; seek medical attention immediately.



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## SECTION 5: FIRE-FIGHTING MEASURES

### NFPA Hazard Classification

Health	1
Flammability	3
Reactivity	0
Other	0

**Extinguishing Media:** Dry chemical, foam, CO<sub>2</sub>  
**Special Fire-fighting Procedures:** If a leak or spill has not ignited, use water spray to disperse the vapors and to protect people attempting to stop the leak.  
**Unusual Fire & Explosion Hazards:** Firefighters should wear SCBA with positive pressure with fullface piece when exposed to smoke, fumes, or hazardous decomposition products.  
**Hazardous Decomposition Products:** Oxides of carbon

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use appropriate PPE (see section 8)  
**Environmental Precautions:** Keep spills out of drains or waterways  
**Recovery:** Clean up small spills. Contain and absorb large spills, remove all sources of heat and ignition; ventilate area.

## SECTION 7: HANDLING & STORAGE

**Handling:** Handle containers carefully to prevent spillage and damage  
**Storage:** Store in a cool, dry, well-ventilated area away from strong oxidizers, heat sources, sparks, and open flames.

## SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

**Engineering controls:** Adequate ventilation  
**Respiratory Protection:** Not necessary for normal use of product. However, where exposure is likely to exceed acceptable criteria, use NIOSH/MSHA approved respiratory protective equipment, selected on the basis of form and concentration of the contaminant in air and in accordance with the OSHA standard 29 CFR 1910.134.  
**Eye Protection:** Chemical safety goggles meeting the specifications of ANSI Standard Z87.1 should be worn whenever there is possibility of splashing or other contact with eyes.  
**Skin Protection:** Not necessary for normal use of product. However, wear gloves and protective clothing that are impervious to the product for prolonged skin contact.  
**Hygiene:** Wash hands after use

### OCCUPATIONAL EXPOSURE LIMITS (EH 40):

Component	ACGIH TLV (ppm)	OSHA PEL (ppm)
Ethyl Alcohol	1000	1000
Isopropyl Alcohol	400	400
Methyl Isobutyl Ketone	50	100
Benzoin	N/A	N/A
Rosin	N/A	N/A
Polyvinylpyrrolidone	N/A	N/A



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**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

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Physical State: Liquid  
Appearance: Clear  
Odor: Slight solvent odor  
Boiling Point: 173°F  
Vapor Pressure (mmHg): 44.6  
Vapor Density: 1.59  
Melting Point: -173°F  
Specific Gravity (H<sub>2</sub>O = 1): 0.79  
pH as Supplied: N/A  
Solubility in Water: No data available  
Evaporation Rate (Butyl Acetate=1): No data available  
% Vaporizable by volume (H<sub>2</sub>O=100): No data available

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**SECTION 10: STABILITY & REACTIVITY**

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Stability: Stable  
Conditions to Avoid (stability): High temperatures  
Incompatibility (material to avoid): Acetylene chloride and oxidizing agents  
Decomposition or Byproducts: N/A  
Hazardous Polymerization: Will not occur

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**HEALTH EFFECTS**

Route of Exposure	Potential Health Effects	Acute Health Hazards
Eyes:	Irritation	Irritation
Skin:	Defatting of skin	Irritation
Ingestion:	Harmful if ingested	Nausea, vomiting, diarrhea, depression of central nervous system
Inhalation:	Irritation	Headache, drowsiness, throat irritation

This product is not listed by the National Toxicology Program (NTP) or International Agency for Research on Cancer (IARC); Refer to Section 15.

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**SECTION 12: ECOLOGICAL INFORMATION**

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No data available; Refer to Section 15.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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RCRA Hazard Class: Non-hazardous as defined by Resource Conservation and Recovery Act (RCRA) 40 CFR 261

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**SECTION 14: TRANSPORT INFORMATION**

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Transport Classification: FLAMMABLE  
Proper Shipping Name: Flammable Liquid, n.o.s. (containing Isopropyl Alcohol)  
UN Number: 1993  
Hazard Class: 3  
Packing Group: II  
Label Statement: 3



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### SECTION 15: REGULATORY INFORMATION

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#### U.S. Federal Regulations

TSCA (Toxic Substance Control Act):	No
CERCLA (Comprehensive Response Compensation & Liability Act):	No
SARA Title III (Superfund Amendments & Reauthorization Act):	No
Section 302 Extreme Hazardous Substance List:	No
311/312 Hazard Categories:	No
313 Reportable Ingredients:	No
State Regulations:	No
International Regulations:	No

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### SECTION 16: OTHER INFORMATION

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#### **DISCLAIMER:**

The information in this safety sheet is based on best knowledge available at the time and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application. As the specific conditions of use are outside the control of the supplier, the user is responsible for ensuring that the product is used in a safe manner and the requirements of relevant legislation are complied with.

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