

# Material Safety Data Sheet

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** *Tincture of Benzoin Pump Sprayer*

**Chemical Formula:** N/A

**CAS Number:** N/A

**Other Designations:** N/A

**General Use:** Topical

**Manufacturer:** Smith & Nephew, Inc. 11775 Starkey Road Largo, FL 33773-4727 **Phone:** 1 800 876-1261

**Date Reviewed:** December 8, 2003

## Section 2 - Composition Information on Ingredients

Ingredient Name	CAS Number	%wt or % Vol
Isopropyl Alcohol	67-63-0	Proprietary
Styrax Benzoin Gum	9000-05-9	Proprietary
Water	7732-18-5	Proprietary

## Section 3 - Hazards Identification

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆

HMIS	
H	2
F	3
R	0
PPE	0

### Potential Health Effects

**Primary Entry Routes:** Inhalation, Eyes, Skin, Ingestion

**Target Organs:** N/A

#### Acute Effects

**Inhalation:** Exposure to high air concentrations may cause mild irritation to nose and throat. Drowsiness, headache, and mild narcosis can occur from inhalation.

**Eye:** Exposure to high air concentrations may cause mild irritation to eyes.

**Skin:** None Known

**Ingestion:** Ingestion may cause drowsiness, burning of the gastrointestinal tract, and death. Ingestion may cause gastrointestinal pain, cramps, nausea and vomiting.

**Carcinogenicity:** This material is not known to have carcinogenic properties.

**Medical Conditions Aggravated by Long-Term Exposure:** Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired function from pre-existing disorders may be aggravated by exposure to this product.

**Chronic Effects:** None Known

## Section 4 - First Aid Measures

**Inhalation:** Remove victim to fresh air. If victim is not breathing, give artificial respiration.

**Eye Contact:** Flush eyes (including under lids) with copious amounts of water for at least 15 minutes.

**Skin Contact:** No First Aid should be needed.

**Ingestion:** Do not induce vomiting. Contact the poison control center or a physician immediately for instructions.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Special Precautions/Procedures:** None.

## Section 5 - Fire-Fighting

**Flash Point:** 53°F / 11.7°C

**Flash Point Method:** TCC

**Burning Rate:** N/A

**Autoignition Temperature:** Not determined

**LFL (% vol. in air):** 2.5

**UFL (% vol. in air):** 12

**Flammability Classification:** Class IB Flammable Liquid

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, Alcohol Foam

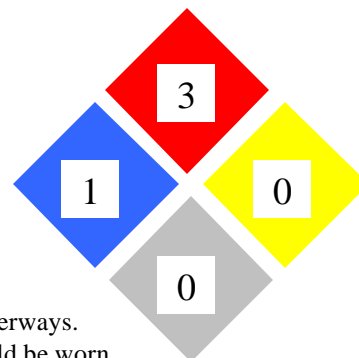
**Unusual Fire or Explosion Hazards:** Vapors are heavier than air and may travel a considerable distance to an ignition source and flashback.

**Hazardous Combustion Products:** Carbon Monoxide and unidentified organic compounds.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Self Contained Breathing Apparatus and protective clothing should be worn.

**NFPA:**



## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:**

**Small Spills:** Mop or wipe up

**Large Spills**

**Containment:** Dike spills to minimize contamination and contain material

**Cleanup:** Remove all sources of heat and ignition. Absorb with sand or vermiculite. Ventilate area to dissipate vapors.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** None known for normal use

**Storage Requirements:** Store in a cool dry place ( $\leq 77^{\circ}\text{F} / 25^{\circ}\text{C}$ ) that is away from oxidizers, heat, sparks, and open flames.

**Regulatory Requirements:** None known for normal use

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** None required

**Ventilation:** General ventilation recommended

**Administrative Controls:** None required for normal use

**Respiratory Protection:** When working with small quantities in a well-ventilated area, respiratory protection may not be required.

**Protective Clothing/Equipment:** When working with small quantities in a well-ventilated area, protective clothing / equipment may not be required.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance and Odor:** Transparent, amber in color with characteristic odor.

**Water Solubility:** Miscible

**Odor Threshold:** Not determined

**Vapor Pressure (mm Hg @ 68°F):** 32 (IPA)

**Vapor Density (Air=1):** 2.1 (IPA)

**Formula Weight:** N/A

**Density:** Not determined

**Specific Gravity (H<sub>2</sub>O=1, at 25° C):** 0.85

**pH:** Not determined

**Other Solubilities:** Not determined

**Boiling Point:** 180°F (IPA)

**Freezing/Melting Point:** Not determined / -127°F (IPA)

**Viscosity:** Not determined

**Refractive Index:** Not determined

**Surface Tension:** Not determined

**% Volatile:** 93%

**Evaporation Rate (nBuAc=1):** 1.4 (IPA)

## Section 10 - Stability and Reactivity

**Stability:** Stable

**Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition Products:** Oxides of carbon

**Conditions to Avoid:** Excessive heat, open flames and ignition sources

**Chemical Incompatibilities:** Strong oxidizing agents

## Section 11 - Toxicological Information

### Toxicity Data

**Eye Effects:** None Known

**Skin Effects:** None

**Acute Inhalation Effects:** None Known

**Acute Oral Effects:** None Known

**Chronic Effects:** None Known

**Carcinogenicity:** None Known

**Mutagenicity:** None

**Teratogenicity:** None Known

## Section 12 - Ecological Information

**Ecotoxicity:** Not determined

**Environmental Fate:** Not determined

**Environmental Degradation:** Not determined

**Soil Absorption/Mobility:** Not determined

## Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

**Disposal Regulatory Requirements:** Contact licensed waste disposal company for disposal regulatory requirements

**Container Cleaning and Disposal:** Burn waste liquid in an approved incinerator or dispose of via a licensed waste disposal company.

## Section 14 - Transport Information

Flammable liquid n.o.s. UN1993

## Section 15 Regulatory Information

**EPA Regulations:** None known for normal use

**OSHA Regulations:** None known for normal use

**State Regulations:** May vary from state to state

## Section 16 - Other Information

**Additional Hazard Rating Systems:** None Known