

Section 1: Identification

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|----------------------------|--|--|
| Product Name | Benzoin Tincture (Alcohol 75-83%) | |
| Commercial Name | Tincture Benzoin | |
| Product Use | Pharmaceutical | |
| Restrictions On Use | Not available | |
| Product Code | 50-4744 | |
| Company | PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760 | In case of emergency contact: CHEMTREC (24hr) 1-800-424-9300 |

Section 2: Hazard(s) Identification

| | |
|----------------------------|---|
| OSHA Haz Com: | Flam. Liq. 2 Eye Irrit. 2A |
| CFR 1910.1200 | |
| Signal Word | DANGER |
| Hazard Statement(s) | Highly flammable liquid and vapor. Causes serious eye irritation. |

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

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|-----------------------------------|--|
| Prevention | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves/eye protection/face protection. Ground/bond container and receiving equipment. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. |
| Response | Wash thoroughly after handling. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use for extinction: CO2 powder or water spray. |
| Storage Disposal | Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulations. |

Section 3: Composition/Information on Ingredients

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|--------------------------|-----------------------------------|
| Substance/Mixture | Substance |
| Components | Benzoin Tincture (Alcohol 75-83%) |
| % By Weight | 100 |
| CAS# | 91845-21-5 |
| Molecular Weight | Not available. |
| Chemical Formula | N/A |
| Synonym(s) | N/A |

Mixtures

| Name | CAS# | % by Weight | TLV/PEL | LC50/LD50 |
|-----------------------------------|------------|-------------|---------|-----------|
| Benzoin Tincture (Alcohol 75-83%) | 91845-21-5 | 100 | N/A | N/A |

Section 4: First-Aid Measures

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| Inhalation | Remove to fresh air. If experiencing breathing difficulty, seek medical attention. In case of unconsciousness place patient stably in side position for transportation. |
| Skin Contact | Immediately rinse with water. If skin irritation continues, consult a doctor. |
| Eye Contact | Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. |
| Ingestion | Immediately call a doctor. |
| Symptoms/Effects | |
| Acute | Not available |
| Delayed | Not available |

Immediate Medical Attention

Not available.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Media

Water with full jet

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Wear self-contained breathing apparatus for firefighting if necessary. : Wear fully protective suit.

Section 6: Accidental Release Measures

-Personal! precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away. Product forms slippery surface when combined with water. Environmental precautions:: Do not allow to enter sewers/ surface or ground water. inform respective authorities in case of seepage into water course or sewage system. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13 Ensure adequate ventilation.

Section 7: Handling and Storage

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid contact with skin & eyes. Avoid inhalation & swallowing. Keep away from sources of ignition - No Smoking. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Store in a cool location. Information about storage in one common storage facility: Not required. Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles. Storage class: Flammable liquid storage.

Section 8: Exposure Controls/Personal Protection

Exposure Limits PEL Long-term value: 1900 mg/m³, 1000ppm REL Long-term value: 1900 mg/m³, 1000 ppm TLV
Short-term value: 1880 mg/m³, 1000ppm

Engineering Controls Safety shower. Eye flushing device Provide adequate ventilation.

Personal Protection

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin. Breathing equipment: Where risk assessment shows air-purifying respirators are appropriate in using a full-face respirator with multi-purpose combination of (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If respirator is sole means of protection, use a full-face air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Protection of hands: The glove material has to be impermeable and resistant to the product/the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Eye protection: Tightly sealed goggles

Section 9: Physical and Chemical Properties

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|--|---|--|---------------------|
| Appearance | brown liquid | pH | Not available. |
| Odor | Characteristic | Vapor Pressure | Not available. |
| Odor Threshold | Not available. | Vapor Density | Not available. |
| Melting Point | Undetermined | Viscosity | Not available. |
| Freezing Point | Not available. | Evaporation Rate | Not available. |
| Boiling Point/Range | 100°C (212F) | Autoignition temperature | Is not selfigniting |
| Decomposition temperature | Not available. | Flammability or Explosive Limits: | |
| Partition Coefficient: n-octanol/water | Not available. | Lower | Not available. |
| Flash Point | 20 °C (68 °F) | Upper | Not available. |
| Flammability | Not available. | | |
| Solubility(ies) | Not miscible or difficult to mix in water. | | |
| Other | Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible Density @ 25C (77F): 0.840-0.870 g/cm3 (7.01-7.26 lbs/gal) | | |

Section 10: Stability and Reactivity

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| Reactivity | Not available |
| Chemical Stability | Stable under recommended storage conditions. |
| Hazardous Polymerization | No dangerous reactions known. |
| Conditions to Avoid | Avoid heat, flames and other sources of ignition. |
| Incompatible Materials | Not available. |
| Hazardous Decomposition Products | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |

Section 11: Toxicological Information
RTECS N/A

Acute Toxicity

Oral LD50 10470 mg/kg (Rat) Dermal LD50 15800 mg/kg (Rabbit) (OECD Test Guideline 404) Inhalative LC50/4h 30000 mg/l (Rat)

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Irritating effect.

Respiratory or Skin Sensitization

May cause sensitisation by skin contact. May cause irritation to the respiratory system.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Irritant to skin, mucous membranes, and eye.

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

EC50 275mg/L (Chlorella vuiaris (Fresh water aigae)) (OLCD test Guideline 2bij LC50 9.6 mg/L (Daphnia magna) (Pimephales Promelas) . 14200 mg/L

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Water hazard class 1 (Assessment by list): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Section 13: Disposal Considerations**Waste Disposal**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Hazard Class: 3 Identification number: UN1293 Packaging group: III Proper shipping name (technical name): Tinctures, Medicinal

Section 15: Regulatory Information**Regulations**

Substance is not listed.

Other

Not available.

Section 16: Other Information

Not available.