

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

**Section 1: Identification**

**Product Name** BENZYL ALCOHOL NF PARENTERAL GRADE  
**Commercial Name** BENZYL ALCOHOL NF PARENTERAL GRADE  
**Product Use** FOR MANUFACTURING, PROCESSING, OR REPACKING  
**Restrictions On Use** N/A  
**Product Code** 30-4961  
**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:** Acute Toxicity, Oral, category 4 Acute Toxicity, Inhalation, Category 4 Eye irritation, Category 2  
**CFR 1910.1200**  
**Signal Word** WARNING  
**Hazard Statement(s)** HARMFUL IF SWALLOWED. CAUSES SERIOUS EYE IRRITATION. HARMFUL IF INHALED.  
**Pictogram(s) or Symbol(s)**

**Precautionary Statement(s):**

**Prevention** Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection

**Response** If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin: Wash with plenty of water. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. 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.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations

**Section 3: Composition/Information on Ingredients**

**Substance/Mixture** Substance  
**Components** Benzyl Alcohol  
**% By Weight** 95-100%  
**CAS#** 0000100-51-6  
**Molecular Weight** N/A  
**Chemical Formula** N/A  
**Synonym(s)** N/A

**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
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**Section 4: First-Aid Measures**

<b>Inhalation</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
<b>Skin Contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Wash contaminated clothing before reuse.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs
<b>Symptoms/Effects</b>	
<b>Acute</b>	Aspiration may cause pulmonary edema and pneumonitis. Central nervous system effects.
<b>Delayed</b>	Aspiration may cause pulmonary edema and pneumonitis. Central nervous system effects.

**Immediate Medical Attention**

Provide general supportive measures and treat symptomatically. Treatment of overdose should be symptomatic and supportive and may include the following: Do not induce vomiting. Dilute with milk or water. Perform gastric lavage soon after ingestion. Protect airway. Control seizures first. Administer activated charcoal as an aqueous slurry. For seizures, administer a benzodiazepine IV. Consider phenobarbital if seizures recur. Monitor for hypotension, dysrhythmias, respiratory depression, need for endotracheal intubation, hypoglycemia, electrolyte disturbances, and hypoxia. If hypotension occurs, infuse with isotonic fluid. If hypotension persists, administer dopamine or norepinephrine. Monitor for central nervous system and respiratory depression, hypotension, and metabolic acidosis.

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

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media**

Do not use water jet as an extinguisher, as this will spread the fire

**Products of Combustion**

No unusual fire or explosion hazards noted

**Firefighters Special Equipment and Precautions**

Wear suitable protective equipment. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials

**Section 6: Accidental Release Measures**

Keep unnecessary personnel away. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wear appropriate personal protective equipment. Avoid inhalation of vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS. Methods and materials for containment and cleaning up: Absorb spillage with suitable absorbent material. For waste disposal, see section 13 of the SDS. Remove sources of ignition. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Clean surface thoroughly to remove residual contamination. Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

**Section 7: Handling and Storage**

Handling: As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Select and use containment devices and personal protective equipment based on a risk assessment of material potency and exposure potential. Storage: Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

**Section 8: Exposure Controls/Personal Protection**

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**Exposure Limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits. US. Workplace Environmental Exposure Level (WEEL) Guides Benzyl Alcohol (CAS 100-51-6): TWA 44.2 mg/m<sup>3</sup> 10 ppm

**Engineering Controls**

For laboratory operations, use good technique and limit open handling. Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred.

**Personal Protection**

Eye/face protection: Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available. Skin protection Hand protection: Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent. Other: Wear lab coat. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use. Do not wear protective garments in common areas (e.g., cafeterias) or out-of-doors. Respiratory protection: Respirators are generally not required for laboratory operations. Chose respiratory protection appropriate to the task and the level of existing engineering controls. Thermal hazards: Wear appropriate thermal protective clothing, when necessary. General hygiene considerations: Handling practices in this SDS are recommendations for laboratory use of reference standards. Procedures for any other uses or quantities should be determined after an appropriate assessment.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Colorless. Clear Liquid.		
<b>Odor</b>	Characteristic		
<b>Odor Threshold</b>	5.5 ppm		
<b>Melting Point</b>	4.64 °F (-15.2 °C)	<b>pH</b>	N/A
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<b>Boiling Point/Range</b>	401.54 °F (205.3 °C)	<b>Vapor Density</b>	3.72
<b>Decomposition temperature</b>	N/A	<b>Viscosity</b>	5.8-8 cP @20C
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	N/A
<b>Flash Point</b>	213.0 °F (100.6 °C) Closed C	<b>Autoignition temperature</b>	816.8 °F (436 °C)
<b>Flammability</b>	N/A	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	Sparingly soluble in water.		
<b>Other</b>	Chloroform: Miscible. Essential oils: Miscible. Ethanol: Freely soluble. Ether: Miscible. Fatty oils: Miscible Chemical family Benzene derivative. Aromatic organic alcohol. Dynamic viscosity 1.06 mPa.s (212 °F (100 °C)) Molecular formula C7H8O Molecular weight 108.14 g/mol Surface tension 39 mN/m (68 °F (20 °C)) VOC 100 %		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability</b>	Material is stable under normal conditions
<b>Hazardous Polymerization</b>	No dangerous reaction known under conditions of normal use
<b>Conditions to Avoid</b>	Contact with incompatible materials
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong acids
<b>Hazardous Decomposition Products</b>	Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions

**Section 11: Toxicological Information****RTECS** N/A**Acute Toxicity**

Harmful if swallowed. Harmful in contact with skin. May be fatal if swallowed and enters airways.

**Skin Corrosion/Irritation**

Causes skin irritation

**Serious Eye Damage/Irritation**

Causes serious eye irritation.

**Respiratory or Skin Sensitization**

May cause an allergic skin reaction

**Germ Cell Mutagenicity**

N/A

**Carcinogenicity**

Not classified

**Reproductive Toxicity**

Not classified

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**Routes of Entry**

Skin. Eye. Ingestion.

**Symptoms Related to Exposure**

Irritant effects. Gastrointestinal disturbances. Central nervous system effects.

**Potential Health Effects**

May be fatal if swallowed and enters airways

**Target Organ(s)**

Not available.

**Section 12: Ecological Information****Ecotoxicity**Aquatic Fish LC50 Bluegill (*Lepomis macrochirus*) 10 mg/l, 96 hours Acute Crustacea EC50 *Daphnia magna* 360 mg/l, 48 hoursFish LC50 Fathead Minnow (*Pimephales promelas*) 460 mg/l, 96 hours**Persistence and Degradability**

Readily Biodegradeable

**Bioaccumulative Potential**

Not available.

**Mobility in Soil**

Not available.

**Other Adverse Effects**

N/A

**Section 13: Disposal Considerations****Waste Disposal**

Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. The waste code should be assigned in discussion between the user, the producer and the waste disposal company. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions)

**Disposal of Container**

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**Other Considerations**

N/A

**Section 14: Transport Information****DOT Classification**

DOT Not regulated as dangerous goods

**Section 15: Regulatory Information****Regulations**

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200 TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not regulated. Superfund Amendments and Reauthorization Act of 1986 (SARA) Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Hazard categories SARA 302 Extremely hazardous substance Not listed. Yes SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Not regulated. Safe Drinking Water Act (SDWA) California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**Other**

N/A



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30-4961

### Section 16: Other Information

HMIS (Hazardous Materials Identification System) Ratings: Health: 2 Flammability: 1 Reactivity (Stability): 0 Personal Protection: X  
NFPA (National Fire Protection Association) Ratings: Health: 2 Flammability: 1 Instability: 0 Key: O= Insignificant; 1= Slight; 2= Moderate; 3 =High; 4= Extreme. An asterisk appearing after the HMIS Health numerical rating denotes a chronic hazard.