

MATERIAL SAFETY DATA SHEET

Product: **Benzyl Alcohol**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Benzyl Alcohol, Technical

Product Code: CH-100516A

Chemical Formula: C₆H₅CH₂OH

General or Generic ID: alpha-Hydroxytoluene; alpha-Toluenol; Benzal alcohol; Benzenecarbinol; Benzenemethanol; Benzoyl alcohol; Hydroxytoluene; Methanol, phenyl-; Phenolcarbinol; Phenylcarbinol; Phenylmethanol; Phenylmethyl alcohol.

Company

ArtChemicals.com

2250 Davis Street

San Leandro, CA 94577-2204

510-639-4670

Emergency Telephone Number:

1-800-451-8346

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS No.</u>	<u>Chemical Identity</u>	<u>Common Name</u>	<u>%</u>
100-51-6	Aromatic alcohol or glycol	Benzyl alcohol	100

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye:

Hazardous in case of eye contact (irritant). Symptoms include stinging, tearing, redness and impairment of vision. The degree of injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

Skin:

Slightly hazardous in case of skin contact (permeator). Symptoms may include redness, burning of skin, or, occasionally, blistering. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. It contains an ingredient which is known to be a sensitizer in animals, and therefore prolonged or repeated skin contact with this product may cause an allergic reaction. Passage of this

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material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion:

Slightly hazardous in case of ingestion. Inhalation of dust will produce irritation to gastrointestinal tract.

Inhalation:

Hazardous in case of inhalation. Breathing in any amounts may cause respiratory irritation, burning, sneezing and coughing.

Symptoms of Exposure:

Exposure to the eye will result in pain, tears, swelling redness, and blurred vision. Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), pain in the abdomen and lower back. Skin contact will produce itching, scaling, reddening or, occasionally, blistering.

Development Information:

Not available.

Cancer Information:

Not available.

Primary Route(s) of Entry:

Inhalation, skin absorption, skin contact, and eye contact.

4. FIRST AID MEASURES

Inhalation:

If affected, promptly remove individual to fresh air. If not breathing, give artificial respiration. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Ingestion:

Do NOT induce vomiting, unless directed by a medical personnel. Seek medical attention. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Do not leave individual unattended. Loosen tight clothing such as collar, tie, belt or waistband.

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Eyes:

Remove contact lenses if worn. Spread eyelids with fingers and flush eye for minimum of 15 minutes with water; keep rotating the eyes to ensure complete flushing. Do not use an eye ointment. Seek medical attention if irritation persists or any loss of vision occurs.

Skin:

Immediately remove contaminated clothing and thoroughly flush skin with plenty of water (15 minutes). Wash thoroughly with soap and water. Seek medical attention immediately. Launder clothing before reuse.

Note to Physicians:

Not available.

5. FIRE FIGHTING MEASURES

Flash Point: Closed Cup: 93 °C/199.4 °F
Open Cup: 100.56 °C/213 °F (Cleveland).

Explosive Limit: Combustible

Auto-ignition Temperature: 436 °C (816.8 °F)

Hazardous Products of Combustion: These products are carbon oxides (CO, CO₂)

Extinguishing Media: Use DRY chemical powder for small fire. Use water spray, fog, or foam for large fire. Do NOT use water jet.

SPECIAL FIRE-FIGHTING PROCEDURES:

When heated to decomposition it emits acrid smoke and irritating fumes. COMBUSTIBLE.

NFPA CODES: Health = 2 Flammability = 2 Reactivity = 0

6. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled:

Small Spill:

Dilute with water and mop up, or container. Finish cleaning by spreading regional authority requirements.

Large Spill:

Combustible material.

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Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Vapor respirator is recommended if exposure limits are exceeded or if irritation or other symptoms are experienced. Be sure to use an approved/certified respirator or equivalent.

Skin Protection:

Wear resistant (rubber) gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots or lab coat.

Eye Protection:

Chemical splash goggles in compliance with OSHA regulations are advised.

Other Protective Clothing or Equipment:

Provide sufficient mechanical ventilation to maintain exposure below level of overexposure.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Colorless/clear liquid. (Slightly aromatic).

Molecular Weight: 108.14 g/mole

pH: N/A

Boiling Point: 205.3°C (401.5°F)

Melting Point: -15.2°C (4.6°F)

Specific Gravity: 1.04 (Water=1)

Vapor Pressure: 0 kPa (@ 20°C).

Evaporation Rate: Not available.

Solubility in Water: Partially soluble in cold water.

10. STABILITY AND REACTIVITY

Incompatibility: Not available.

Stability: Stable.

Hazardous Decomposition: N/A

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (LD50): 1040 mg/kg [Rabbit].

Acute dermal toxicity (LD50): 2000 mg/kg [Rabbit].

Hazardous in case of skin contact (irritant), of inhalation.

Slightly hazardous in case of skin contact (permeator), of ingestion.

Mutagenic for bacteria and/or yeast.

May cause damage to the following organs: liver, central nervous system (CNS).

12. ECOLOGICAL INFORMATION

Ecotoxicity in water (LC50): 770 mg/l 48 hours [Fish (Pimephales promelas (Fathead minnow))].
480 mg/l 72 hours [Fish (Pimephales promelas (Fathead minnow))]. 460 mg/l 96 hours [Fish (Pimephales promelas (Fathead minnow))]. 10 ppm 96 hours [Fish (Lepomis macrochirus (Bluegill sunfish))]. 15 ppm 96 hours [Fish (Menidia beryllina (tidewater silverside fish))].

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13. DISPOSAL CONSIDERATION

Waste Disposal Method:

Dispose of in accordance with all applicable local, state and federal regulations.

14. DOT SHIPPING NAME & IDENTIFICATION:

NON-REGULATED

15. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that information is current, applicable, and suitable to their circumstances.