

SAFETY DATA SHEET



Date Issued : 3/27/2006
MSDS No : BA
Date-Revised : 7/25/2014
Revision No : 3

BENZYL ALCOHOL

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BENZYL ALCOHOL

PRODUCT CODE: BA

ALTERNATE TRADE NAME(S): Alpha hydroxy toluene, Phenylmethanol

MANUFACTURER

Distributed by Tarr, LLC

P.O. Box 12570

Portland, OR 97212

Product Stewardship: 503-288-5294

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300

CANUTEC (Canadian Transportation) :(613) 996 - 6666

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Irritation

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENT(S)

Prevention:

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P270: Do not eat, drink or smoke when using this product.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Appearance: Clear, colorless liquid. **CAUTION!** Hygroscopic (absorbs moisture from the air). May be harmful if swallowed. May be harmful if absorbed through the skin. Causes skin irritation. Causes severe eye irritation. May cause respiratory and digestive tract irritation. **Target Organs:** None.

POTENTIAL HEALTH EFFECTS

BENZYL ALCOHOL

EYES: Causes severe eye irritation. Causes redness and pain.

SKIN: Causes skin irritation. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. Causes redness and pain. May be harmful if absorbed through the skin. Contact with the skin may cause a local anesthetic effect.

INGESTION: May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. May be harmful if swallowed.

INHALATION: Vapors cause irritation of the respiratory system.

MEDICAL CONDITIONS AGGRAVATED: None known.

COMMENTS HEALTH: Health studies have shown that exposures to chemicals pose potential health risks which may vary from person to person. Exposures to liquids, vapors mists, or fumes should always be minimized.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Benzyl alcohol	100	100-51-6

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get immediate medical attention.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Call a physician if irritation develops. Wash clothing before reuse.

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: Prolonged contact may cause defatting of the skin. No other chronic health hazard information is available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use CO₂, foam, or dry chemical. Water can be used to cool a fire, but for extinguishment, foam or dry chemical are preferred. Avoid spreading liquid and fire by water flooding.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion.

FIRE FIGHTING PROCEDURES: Clear fire area of all non-emergency personnel. Do not enter fire space without proper protective gear, including eye protection and respiratory protection to prevent breathing products of combustion. Contain fire water run-off, if possible. Fire water run-off, if not contained, may cause environmental damage. Water fog applied gently may be used as a blanket for fire extinguishment. Stay upwind. Keep out of low areas where gases (fumes) can accumulate.

FIRE FIGHTING EQUIPMENT: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

BENZYL ALCOHOL**6. ACCIDENTAL RELEASE MEASURES**

GENERAL PROCEDURES: Remove all sources of ignition and provide ventilation. Wear protective clothing as given in section 8. Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover free product, if possible. Cover spill with inert, non-combustible absorbent material and remove to closed containers for disposal using non-sparking equipment. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Report spill as per regulatory requirements. Leaking drum should be emptied or placed into an oversized (recovery) drum.

7. HANDLING AND STORAGE

HANDLING: Partially filled drums should be blanketed with nitrogen to avoid product being slowly oxidized to benzaldehyde.

STORAGE: Store as a NFPA Class III B liquid. Keep fire and sparks away from drums. Since empty containers retain product residue, do not cut, drill, grind or weld on or near the container until it is thoroughly cleaned.

Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Remove all ignition sources. Check atmosphere for explosive mixtures as well as oxygen deficiencies. Use adequate personal protective equipment. Comply with regulations governing confined space entry.

COMMENTS: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition; they may explode and cause injury or death.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust and general ventilation must be adequate to meet exposure limit(s).

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

SKIN: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

RESPIRATORY: If exposure may or does exceed occupational exposure limits (Sec. 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

WORK HYGIENIC PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Faint aromatic hydrocarbon odor.

APPEARANCE: Clear

COLOR: Water-white.

BENZYL ALCOHOL**PERCENT VOLATILE:** 100**FLASHPOINT AND METHOD:** 98.9°C (210°F) COC (Cleveland Open Cup)**FLAMMABLE LIMITS:** Not determined.**AUTOIGNITION TEMPERATURE:** 436°C (817°F)**VAPOR PRESSURE:** < 0.1 mm Hg at 20°C (68°F)**VAPOR DENSITY:** 3.7 (Air=1)**BOILING POINT:** 205°C (401°F) to (401°F)**MELTING POINT:** -15.3°C (4.5°F)**SOLUBILITY IN WATER:** Moderate**EVAPORATION RATE:** < 0.01 (n-Butyl Acetate=1)**DENSITY:** 8.7**SPECIFIC GRAVITY:** 1.045 (water=1) at (77°F)**MOLECULAR WEIGHT:** 108.1 **Formula:** C₆H₅CH₂OH (C₇H₈O)**(VOC):** 100.000**10. STABILITY AND REACTIVITY****STABLE:** Yes**HAZARDOUS POLYMERIZATION:** No**POLYMERIZATION:** Will not occur.**HAZARDOUS DECOMPOSITION PRODUCTS:** Incomplete combustion will produce carbon monoxide and other potentially toxic and/or poisonous vapors.**INCOMPATIBLE MATERIALS:** Alcohols can react violently in contact with strong oxidizing agents, isocyanates, acetaldehyde, LiAlH₄ (lithium aluminum hydride), aluminum alkyl compounds and strong mineral acids.**11. TOXICOLOGICAL INFORMATION****ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Benzyl alcohol	1230 mg/kg (Rat)	2000	1000

ORAL LD₅₀: 1230 mg/kg (rat)**CARCINOGENICITY****Notes:** This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).**NEUROTOXICITY:** No information available.**REPRODUCTIVE EFFECTS:** No information available.**12. ECOLOGICAL INFORMATION**

BENZYL ALCOHOL

GENERAL COMMENTS: Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal must be made in accordance with applicable governmental regulations. Do not contaminate any streams, lakes, or ponds.

EMPTY CONTAINER: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: NOT DOT REGULATED

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: This product should be reported as an immediate (acute) health hazard, and a fire hazard.

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Benzyl Alcohol does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: To the best of our knowledge, this product is not listed as an extremely hazardous substance.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: Listed.

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains no chemicals known to the state of California to cause cancer.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): Listed.

GENERAL COMMENTS: The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

16. OTHER INFORMATION

REASON FOR ISSUE: Updated SDS information and changed to new format.

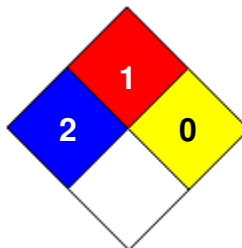
PREPARED BY: Compliance

BENZYL ALCOHOL

REVISION SUMMARY: This MSDS replaces the 5/22/2013 MSDS. Revised: **Section 1:** REASON FOR ISSUE. **Section 2:** .

HMIS RATING

HEALTH		2
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES

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