



J.T. Baker
A Division of Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865
24-Hour emergency telephone 908-850-2151
National Response Center 800-424-8802
Chemtrec 800-424-9300

National Response In Canada
CANUTEC 613-996-6666
Outside U.S. and Canada
Chemtrec 707-483-7616

MATERIAL SAFETY DATA SHEET

FICHE
SIGNALETIQUE

HOJAS DE DATOS
DE SEGURIDAD

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

B1885 -04
Effective: 01/04/94

Benzyl Alcohol

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J.T.BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

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SECTION I - PRODUCT IDENTIFICATION

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Product Name: Benzyl Alcohol
Common Synonyms: Benzenemethanol; Phenylcarbinol; Phenylmethyl Alcohol
Chemical Family: Alcohols
Formula: $C_6H_5CH_2OH$
Formula Wt.: 108.14
CAS No.: 100-51-6
NIOSH/RTECS No.: DN3150000
Product Use: Laboratory Reagent
Product Codes: 9051, 5117, 5190, 9050, 9040

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PRECAUTIONARY LABELING

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BAKER SAP-T-DATA* System

HEALTH	FLAMMABILITY	REACTIVITY	CONTACT
2	1	0	1
MODERATE	SLIGHT	NONE	SLIGHT

Laboratory Protective Equipment



GOGGLES



LAB
COAT

U.S. Precautionary Labeling

WARNING!

CAUSES IRRITATION. HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. Keep away from heat, sparks, flame. Avoid contact with eyes, skin, clothing. Avoid breathing vapor. Keep in tightly closed container. Use with adequate ventilation. Wash thoroughly after handling. In case of fire, use alcohol foam, dry chemical, carbon dioxide - water may be ineffective. Flush spill area with water spray.

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**J.T. Baker**

A Division of Motilux Chemicals, Inc.

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PRECAUTIONARY LABELING (CONTINUED)

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International Labeling

Harmful by inhalation and if swallowed.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SAF-T-DATA* Storage Color Code: Orange (general storage)

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SECTION II - COMPONENTS

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<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>
Benzyl Alcohol	100-51-6	90-100	N/E	N/E

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SECTION III - PHYSICAL DATA

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Boiling Point: 205°C (401°F)
(at 760 mm Hg)Vapor Pressure (mmHg): 0.15
(20°C)Melting Point: -15°C (5°F)
(at 760 mm Hg)

Vapor Density (air=1): 3.7

Specific Gravity: 1.05
(H₂O=1)

Evaporation Rate: N/A

Solubility(H₂O): Moderate (1-10%)% Volatiles by Volume: 100
(21°C)

pH: N/A

Odor Threshold (ppm): N/A

Physical State: Liquid

Coefficient Water/Oil Distribution: N/A

Appearance & Odor: Clear, colorless liquid. Faint aromatic odor.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed Cup): 100°C (213°F)

NFPA 704M Rating: 2-1-0

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A

Lower - N/A

Fire Extinguishing Media

Use alcohol foam, dry chemical or carbon dioxide. (Water may be ineffective.)

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

Unusual Fire & Explosion Hazards

When exposed to heat, closed containers may explode; may also give off highly toxic or irritating fumes. Contact with strong oxidizers may cause fire or explosion.

Toxic Gases Produced

carbon monoxide, carbon dioxide

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

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SECTION V - HEALTH HAZARD DATA

Threshold Limit Value (TLV/TWA): Not Established

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): Not Established

Toxicity of componentsOral Rat LD₅₀ for Benzyl Alcohol

1230 mg/kg

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SECTION V - HEALTH HAZARD DATA (CONTINUED)

Skin Rabbit LD₅₀ for Benzyl Alcohol

2000 mg/kg

Intravenous Rat LD₅₀ for Benzyl Alcohol

64 mg/kg

Carcinogenicity: NTP: No IARC: No Z List: No OSHA Reg: No

Carcinogenicity

None identified.

Reproductive Effects

None identified.

Effects of Overexposure

INHALATION: headache, nausea, vomiting, dizziness, drowsiness, irritation of upper respiratory tract, narcosis, central nervous system depression, unconsciousness, may cause pulmonary edema

SKIN CONTACT: irritation, prolonged contact may cause dermatitis

EYE CONTACT: irritation, may cause temporary corneal damage

SKIN ABSORPTION: may be harmful

INGESTION: headache, nausea, vomiting, gastrointestinal irritation, convulsions, central nervous system depression, unconsciousness

CHRONIC EFFECTS: none identified

Target Organs

respiratory system, lungs, central nervous system, eyes, skin

Medical Conditions Generally Aggravated by Exposure

none identified

Primary Routes of Entry

inhalation, ingestion, eye contact, skin contact, absorption

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SECTION V - HEALTH HAZARD DATA (CONTINUED)

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Emergency and First Aid Procedures

- INGESTION: CALL A PHYSICIAN. If swallowed, if conscious, immediately induce vomiting.
- INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Prompt action is essential.
- SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use.
- EYE CONTACT: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SARA/TITLE III HAZARD CATEGORIES and LISTS

Acute: Yes Chronic: Yes Flammability: No Pressure: No Reactivity: No

Extremely Hazardous Substance: No
CERCLA Hazardous Substance: No
SARA 313 Toxic Chemicals: No
TSCA Inventory: Yes

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SECTION VI - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur

Conditions to Avoid: heat, flame, other sources of ignition, air

Incompatibles: strong oxidizing agents, strong acids, plastics

Decomposition Products: carbon monoxide, carbon dioxide

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SECTION VII - SPILL & DISPOSAL PROCEDURES

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Steps to be Taken in the Event of a Spill or Discharge

Wear self-contained breathing apparatus and full protective clothing. Shut off ignition sources; no flares, smoking or flames in area. Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into

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A Division of Milliken & Co., Inc.

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SECTION VII - SPILL & DISPOSAL PROCEDURES (CONTINUED)

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container for later disposal. Flush area with water.

J. T. Baker SOLUSORB^R solvent adsorbent is recommended for spills of this product.

Disposal Procedure

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

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SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation: Use adequate general or local exhaust ventilation to keep vapor and mist levels as low as possible.

Respiratory Protection: None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.

Eye/Skin Protection: Safety goggles, uniform, apron, proper gloves are recommended.

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SECTION IX - STORAGE AND HANDLING PRECAUTIONS

SAF-T-DATA* Storage Color Code: Orange (general storage)

Storage Requirements

Keep container tightly closed. Store in cool, dry, well-ventilated area away from heat, sparks, or flame. Keep product out of light. Isolate from incompatible materials.

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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

Domestic (D.O.T.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)

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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (CONTINUED)

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International (I.M.O.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)
Marine Pollutants: No

AIR (I.C.A.O.)

Proper Shipping Name: Chemicals, n.o.s. (Non-regulated)

U.S. Customs Harmonization Number: 29062100006

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NOTE: When handling liquid products, secondary protective containers must be used for carrying.

-N/A = Not Applicable, or not Available;

N/E = Not Established.-

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, Baker cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Baker warrants that the chemical meets the specifications set forth on the label.

BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Baker will periodically revise this Material Safety Data Sheet.

Note: CHEMTREC, CANUTEC, and NATIONAL RESPONSE CENTER emergency telephone numbers are to be used ONLY in the event of CHEMICAL EMERGENCIES involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to Customer Service

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Approved by Quality Assurance Department.