



Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300 or 202-483-7616

MATERIAL SAFETY DATA SHEETS

Part Number/Trade Name: **BENZYL AMINE**
This MSDS is valid for all grades and catalog numbers

General Information

Company's Name: PHARMCO PRODUCTS, INC.
Company's Street: 58 VALE RD.
Company's City: BROOKFIELD
Company's State: CT
Company's Zip Code: 06804
Company's Emerg Ph #: (203) 740-3471
Company's Info Ph #: (203) 740-3471
Date MSDS Revised:

Safety Data Review Date:
Preparer's Company: PHARMCO PRODUCTS, INC.
Preparer's St Or P. O. Box: 58 VALE RD.
Preparer's City: BROOKFIELD
Preparer's State: CT
Preparer's Zip Code: 06804

1. Product Identification

Synonyms: Benzene methanamine; aminotoluene;(phenylmethyl) amine CAS No.: 100-46-9
Molecular Weight: 107.16
Chemical Formula: C₆H₅.CH₂NH₂
Product Codes: 1869

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Benzenemethanamine	100-46-9	100%	Yes

3. Hazards Identification Emergency Overview

DANGER! CORROSIVE. CAUSES BURNS TO ANY AREA OF CONTACT. HARMFUL IF SWALLOWED OR INHALED. MAY BE ABSORBED THROUGH SKIN. COMBUSTIBLE LIQUID AND VAPOR. MATERIAL IS EXTREMELY DESTRUCTIVE TO THE MUCOUS MEMBRANES OF THE RESPIRATORY TRACT.

Potential Health Effects

Information on the human health effects from exposure to this substance is limited.

Inhalation: Inhalation of vapors or mists causes severe irritation and possible destruction to tissues of the mucous membranes and upper respiratory tract.

Ingestion: No information found, but the strongly alkaline nature of the substance is expected to produce burns of the mouth, throat, and stomach.

Skin Contact: Causes severe irritation and possibly burns to the skin. May be absorbed through the skin.

Eye Contact: Vapors may irritate the eyes. Splashes can cause severe irritation and possibly eye burns.

Chronic Exposure: Long time exposure can cause dermatitis and eczema.

Aggravation of Pre-existing Conditions: No information found.

4. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

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

5. Fire Fighting Measures

Fire: Flash point: 75C (167F) OC Combustible Liquid and Vapor!

Explosion: Above the flash point, explosive vapor-air mixtures may be formed.

Fire Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

7. Handling and Storage

Protect against physical damage. Outside or detached storage is preferred.

Inside storage should be in a standard flammable liquids storage room or cabinet. Separate from oxidizing materials. Storage and use areas should be No Smoking areas. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.

Ventilation System: 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. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved): For conditions of use where exposure to the substance is apparent, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance: Colorless to slightly amber colored liquid.

Odor: Strong ammonia-like odor.

Solubility: Soluble in water.

Specific Gravity: 0.982

pH: No information found.

% Volatiles by volume @ 21C (70F): 100

Boiling Point: 185C (365F)

Melting Point: -10C (14F)

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): 0.65 @ 25C (77F)

Evaporation Rate (BuAc=1): No information found.

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides.

Hazardous Polymerization: Will not occur.

Incompatibilities: N-Chlorosuccinimide, acids, acid chlorides, acid anhydrides, strong oxidizing agents, carbon dioxide.

Conditions to Avoid: Light, heat, incompatibles.

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Benzenemethanamine (100-46-9)	No	No	None

12. Ecological Information

Environmental Fate: When released into the soil, this material is expected to readily biodegrade. When released into water, this material is expected to readily biodegrade. This material has a log octanol-water partition coefficient of less than 3.0. Volatilization, adsorption and bioconcentration are not expected to be important environmental fate processes. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day. When released into the air, this material is not expected to be subject to wet deposition.

Environmental Toxicity: The LC50/96-hour values for fish are over 100 mg/l. This material is not expected to be toxic to aquatic life.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (BENZYLAMINE)

Hazard Class: 8

UN/NA: UN3267

Packing Group: II

Information reported for product/size: 100G

International (Water, I.M.O.)

Proper Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (BENZYLAMINE)

Hazard Class: 8

UN/NA: UN3267

Packing Group: II

Information reported for product/size: 100G

15. Regulatory Information

-----\Chemical Inventory Status - Part 1\-----

Ingredient	TSCA	EC	Japan	Australia
Benzenemethanamine (100-46-9)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----

--Canada--

Ingredient	Korea	DSL	NDSL	Phil.
Benzenemethanamine (100-46-9)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----

-SARA 302- -----SARA 313-----

Ingredient	RQ	TPQ	List	Chemical Catg.
Benzenemethanamine (100-46-9)	No	No	No	No

-----\Federal, State & International Regulations - Part 2\-----

-RCRA- -TSCA-

Ingredient	CERCLA	261.33	8(d)
Benzenemethanamine (100-46-9)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: Yes Pressure: No
Reactivity: No (Pure / Liquid)

Australian Hazchem Code: No information found.

Poison Schedule: No information found.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 3 Flammability: 2 Reactivity: 0

Label Hazard Warning:

DANGER! CORROSIVE. CAUSES BURNS TO ANY AREA OF CONTACT. HARMFUL IF SWALLOWED OR INHALED. MAY BE ABSORBED THROUGH SKIN. COMBUSTIBLE LIQUID AND VAPOR. MATERIAL IS EXTREMELY DESTRUCTIVE TO THE MUCOUS MEMBRANES OF THE RESPIRATORY TRACT.

Label Precautions: Do not breathe vapor. Do not get in eyes, on skin, or on clothing. Keep container closed. Use only with adequate ventilation. Keep away from heat and flame. Wash thoroughly after handling.

Label First Aid: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. In case of skin contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. In all cases call a physician immediately. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases call a physician immediately.

Product Use: Laboratory Reagent.

Revision Information: Pure. New 16 section MSDS format, all sections have been revised.

The information contained herein is based on data considered to be accurate. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. It is the user's obligation to determine the conditions of safe use of the product.

--Revised by R. Hard , 11/5/99