



Section 1. Product and Company Identification

**Product Name** Dibenzylamine  
**CAS Number** 103-49-1

**Parchem - fine & specialty chemicals**

**415 Huguenot Street**

**New Rochelle, NY 10801**

 **(914) 654-6800**  **(914) 654-6899**

 **parchem.com**

 **info@parchem.com**

EMERGENCY RESPONSE NUMBER  
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

**Emergency Overview**

**WHMIS Classification**

E Corrosive Material Corrosive

**GHS Classification**

Acute toxicity, Oral (Category 4)

Acute toxicity, Dermal (Category 5)

Skin corrosion (Category 1C)

Serious eye damage (Category 1)

**GHS Label Elements, Including Precautionary Statements**

**Pictograms:**



**Signal Word:** Danger

**Hazard and Precautionary Statements**

**Hazard Statements**

H302 Harmful if swallowed.

H313 May be harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

**Precautionary Statements**

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.



P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/ physician.

### HMIS Classification

**Health Hazard:** 3

**Flammability:** 1

**Physical Hazards:** 0

### Potential Health Effects

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin Contact:** Harmful if absorbed through skin. Causes skin burns.

**Eye Contact:** Causes eye burns.

**Ingestion:** Harmful if swallowed

### Section 3. Composition / Information on Ingredients

<b>Common Name</b>	Dibenzylamine
<b>Formula</b>	$C_{14}H_{15}N$
<b>CAS Number</b>	103-49-1

### Section 4. First Aid Measures

**General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin Contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Section 5. Firefighting Measures

**Conditions of Flammability:** Not flammable or combustible.

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special Protective Equipment for Firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.



**Hazardous Combustion Products:** Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

**Explosion Data - Sensitivity to Mechanical Impact:** No data available

**Explosion Data - Sensitivity to Static Discharge:** No data available

#### Section 6. Accidental Release Measures

**Personal Precautions:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental Precautions:** Do not let product enter drains.

**Methods and Materials for Containment and Cleaning up:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

#### Section 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

**Conditions for Safe Storage:** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### Section 8. Exposure Controls / Personal Protection

Contains no substances with occupational exposure limit values.

##### Personal Protective Equipment

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye Protection:** Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and Body Protection:** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Specific Engineering Controls:** Use mechanical exhaust or laboratory fume hood to avoid exposure.

Section 9. Physical and Chemical Properties

**Appearance**

**Form:** Liquid

**Color:** Yellow

**Safety Data**

**pH:** 8.9 at 20°C (68°F)

**Melting Point/Range:** -26°C (-15°F) - lit.

**Boiling Point:** 300°C (572°F) - lit.

**Flash Point (Closed Cup):** 143°C (289°F)

**Ignition Temperature:** No data available

**Auto-Ignition Temperature:** No data available

**Lower Explosion Limit:** No data available

**Upper Explosion Limit:** No data available

**Vapor Pressure:** No data available

**Density:** 1.026 g/cm<sup>3</sup> at 25°C (77°F)

**Water Solubility:** No data available

**Partition Coefficient (n-Octanol/Water):** log Pow: 2.67

**Relative Vapor Density:** No data available

**Odor:** No data available

**Odor Threshold:** No data available

**Evaporation Rate:** No data available

Section 10. Stability and Reactivity

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** no data available

**Conditions to Avoid:** no data available

**Materials to Avoid:** acids, Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates

**Hazardous Decomposition Products formed under Fire Conditions:** Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

**Other Decomposition Products:** No data available

Section 11. Toxicological Information

**Acute Toxicity**

**Oral LD50:** LD50 Oral - Rat - Female - 632 mg/kg

**Inhalation LC50:** No data available

**Dermal LD50:** LD50 Dermal - rat - > 2,000 mg/kg

**Other Information on Acute Toxicity:** No data available

**Skin Corrosion/Irritation:** Skin - rabbit - Causes burns. - 1h - Draize Test

**Serious Eye Damage/Eye Irritation:** No data available

**Respiratory or Skin Sensitization:** No data available



**Germ Cell Mutagenicity:** No data available

**Carcinogenicity**

**IARC:** No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by ACGIH.

**Reproductive Toxicity:** No data available

**Teratogenicity:** No data available

**Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):** No data available

**Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):** No data available

**Aspiration Hazard:** No data available

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Ingestion:** Harmful if swallowed.

**Skin:** Harmful if absorbed through skin. Causes skin burns.

**Eyes:** Causes eye burns.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic Effects:** No data available

**Additional Information**

**RTECS:** Not available

Section 12. Ecological Information

**Toxicity:** No data available

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available

**Mobility in Soil:** No data available

**PBT and vPvB Assessment:** No data available

**Other Adverse Effects:** No data available



Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**DOT (US)**

**UN Number:** 2735

**Class:** 8

**Packing Group:** III

**Proper Shipping Name:** Amines, liquid, corrosive, n.o.s. (Dibenzylamine)

**Reportable Quantity (RQ):** N/A

**Marine Pollutant:** No

**Poison Inhalation Hazard:** No

**IMDG**

**UN Number:** 2735

**Class:** 8

**Packing Group:** III

**EMS-No:** F-A, S-B

**Proper Shipping Name:** Amines, Liquid, Corrosive, N.O.S. (Dibenzylamine)

**Marine Pollutant:** No

**IATA**

**UN Number:** 2735

**Class:** 8

**Packing Group:** III

**Proper Shipping Name:** Amines, liquid, corrosive, n.o.s. (Dibenzylamine)

Section 15. Regulatory Information

**WHMIS Classification**

E - Corrosive Material - Corrosive

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

