

MATERIAL SAFETY DATA SHEET
Benzylamine

Section 1 - Chemical Product and Company Identification

MSDS Name:	Benzylamine
Catalog Numbers:	10585-0000, 10585-0050, 10585-1000, 10585-5000, 18093-0000, 18093-0050, 18093-1000, 18093-5000
Synonyms:	Benzenemethanamine
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticaaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
100-46-9	Benzylamine	>98.5%	202-854-1

Hazard Symbols: C



Risk Phrases: 21/22 34

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful in contact with skin and if swallowed. Causes burns.

Potential Health Effects

Eye:	Causes eye burns.
Skin:	Harmful if absorbed through the skin. Causes skin burns.
Ingestion:	Harmful if swallowed. Causes gastrointestinal tract burns.
Inhalation:	Causes chemical burns to the respiratory tract. May be harmful if inhaled.
Chronic:	Prolonged or repeated exposure may cause sensitization in certain sensitive individuals.

Section 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 medical aid immediately.
- Skin:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Ingestion:** Do not induce vomiting. Get medical aid immediately.
- Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

Section 5 - Fire Fighting Measures

- General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Combustible liquid.
- Extinguishing Media:** Do NOT use water directly on fire. Use water spray to cool fire-exposed containers. Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

- General Information:** Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - Handling and Storage

- Handling:** Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharges. Use only in a chemical fume hood.
- Storage:** Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Corrosives area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

CAS# 100-46-9:

Personal Protective Equipment

- Eyes:** Wear chemical splash goggles.
- Skin:** Wear appropriate protective gloves to prevent skin exposure.
- Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

- Physical State:** Clear liquid
- Color:** colorless to slight yellow
- Odor:** ammonia-like
- pH:** 11.6 (100 g/l aq. sol.)

Vapor Pressure: 0.6 mbar @ 20 deg C
Viscosity: 1.82 mPa.s @ 20 deg C
Boiling Point: 182 - 185 deg C
Freezing/Melting Point: -30 deg C (-22.00°F)
Autoignition Temperature: 405 deg C (761.00 deg F)
Flash Point: 72 deg C (161.60 deg F)
Explosion Limits: Lower: 0.9 Vol %
Explosion Limits: Upper: 14 Vol %
Decomposition Temperature: Not available
Solubility in water: Soluble
Specific Gravity/Density: 0.980
Molecular Formula: C7H9N
Molecular Weight: 107.15

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. Absorbs carbon dioxide from the air.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials: Strong oxidizing agents, acids, acid chlorides, acid anhydrides.
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 100-46-9: DP1488500
LD50/LC50: RTECS: Not available. Other: Oral, rat: LD50 = 552 mg/kg Skin, rat: LD50 = 1340 mg/kg
Carcinogenicity: Benzylamine - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: Mutagenicity: Ames-test: negative. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Bacteria: Phytobacterium phosphoreum: EC50: 17 mg/l; 30min; Microtox test
 Fish: Pimephals prome: LC50: 120 mg/l; 96h; .
 Daphnia: Daphnia: EC50: 60 mg/l; 48h; .
Other: Readily biodegradable.
 Log Pow: 1.09

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	AMINES, LIQUID, CORROSIVE, N.O.S.*	AMINES, LIQUID, CORROSIVE, N.O.S.	AMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class:	8	8	8
UN Number:	2735	2735	2735
Packing Group:	II	II	II

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 21/22 Harmful in contact with skin and if swallowed.

R 34 Causes burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 100-46-9: 1

Canada

CAS# 100-46-9 is listed on Canada's DSL List

US Federal

TSCA

CAS# 100-46-9 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 10/17/1996

Revision #1 Date 11/21/2002

Revisions were made in Sections: General revision.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
