



## MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**  
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Benzyl bromide, 98%

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

Benzyl bromide, 98%

Catalog Numbers:

10587-0000, 10587-0050, 10587-1000, 10587-5000

Synonyms:

alpha-Bromotoluene; alpha-Bromophenylmethane

Company Information:

LEONID CHEMICALS

62/A-2 1st Stage, Yeshwanthpur Industrial Suburb

Ashokpuram School Road

Bangalore-560 022, Karnataka, INDIA

Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

### SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	100-39-0
Chemical Name	:	Benzyl bromide
%	:	98%
EINECS#	:	202-847-3
Hazard Symbols	:	T
Risk Phrases	:	23 36/37/38

### SECTION 3- HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Toxic by inhalation. Irritating to eyes, respiratory system and skin. Light sensitive. Moisture sensitive. Lachrymator (substance which increases the flow of tears).

#### Potential Health Effects

##### Eye:

Causes eye irritation. Causes redness and pain. Lachrymator (substance which increases the flow of tears).

##### Skin:

Causes skin irritation. Causes redness and pain. May be harmful if absorbed through the skin.



#### Ingestion:

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

#### Inhalation:

Causes respiratory tract irritation. Exposure produces central nervous system depression. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Toxic if inhaled.

#### Chronic:

No information available.

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### SECTION 4 - FIRST AID MEASURES

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#### Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

#### 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. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Wash mouth out with water.

#### 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:

No information available.

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### SECTION 5 - FIRE FIGHTING MEASURES

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#### General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Combustible liquid.

#### Extinguishing Media:

Use foam, dry chemical, or carbon dioxide. **DO NOT USE WATER!**

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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### 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.

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## SECTION 7 - HANDLING AND STORAGE

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### 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. Do not store in direct sunlight. Store in a tightly closed container. Dark room. Do not store in metal containers.

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## SECTION 8 - Exposure Controls, Personal Protection

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### Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

### Personal Protective Equipment

#### Eyes:

Wear chemical 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. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

#### Clothing:

Wear appropriate protective clothing to prevent skin exposure.

#### Respirators:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	:	Liquid
Color	:	Clear colorless to slightly yellow
Odor	:	Pleasant odor
PH	:	No information available.
Vapor Pressure	:	0.49mbar @20 deg C
Viscosity	:	No information available.
Boiling Point	:	198 - 199 deg C @760mmHg
Freezing/Melting Point	:	-3 - 1 deg C
Autoignition Temperature	:	No information available.
Flash Point	:	86 deg C ( 186.80 deg F)
Explosion Limits, lower	:	No information available.
Explosion Limits, upper	:	No information available.
Decomposition Temperature	:	No information available.
Solubility in water	:	436 mg/l (25°C)
Specific Gravity/Density	:	1.430
Molecular Formula	:	C7H7Br
Molecular Weight	:	171.04

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### SECTION 10 - STABILITY AND REACTIVITY

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#### Chemical Stability:

Stable under normal temperatures and pressures.

#### Conditions to Avoid:

Incompatible materials, light, exposure to moist air or water.

#### Incompatibilities with Other Materials:

Strong oxidizing agents, oxidizing agents, bases, alcohols, amines, steel.

#### Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, hydrogen bromide.

Hazardous Polymerization:  
Will not occur.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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RTECS#:  
CAS# 100-39-0: Xs7965000

LD50/LC50:  
No Information available.

Carcinogenicity:  
Benzyl bromide - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information

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## SECTION 12 - ECOLOGICAL INFORMATION

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No Information available.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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

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## SECTION 14 - TRANSPORT INFORMATION

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### IATA

Shipping Name	:	BENZYL BROMIDE
Hazard Class	:	6.1
UN Number	:	1737
Packing Group	:	II

### IMO

Shipping Name	:	BENZYL BROMIDE
Hazard Class	:	6.1
UN Number	:	1737
Packing Group	:	II

### RID/ADR

Shipping Name	:	BENZYL BROMIDE
Hazard Class	:	6.1
UN Number	:	1737 Packing Group
	:	II

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## SECTION 15 - REGULATORY INFORMATION

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### European/International Regulations

European Labeling in Accordance with EC Directives

#### Hazard Symbols:

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#### Risk Phrases:

R 23 Toxic by inhalation. R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases: S 23 Do not inhale gas/fumes/vapour/spray. S 28 After contact with skin, wash immediately with... S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**WGK** (Water Danger/Protection)

CAS# 100-39-0: 2

#### United Kingdom Occupational Exposure Limits

No Information available.

#### United Kingdom Maximum Exposure Limits

No information available.

#### Canada

CAS# 100-39-0 is listed on Canada's DSL List.

CAS# 100-39-0 is listed on Canada's Ingredient Disclosure List.

#### Exposure Limits

No information available.

#### US FEDERAL

##### TSCA

CAS# 100-39-0 is listed on the TSCA inventory.

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## SECTION 16 - ADDITIONAL INFORMATION

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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 way 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.

