



MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**
62/A-2 2nd Stage, Industrial Suburb
Ashokpuram School Road, Yeshwanthpur
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Benzimidazole, 98%

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

Benzimidazole, 98%

Catalog Numbers:

18642-0000, 18642-0250, 18642-1000, 18642-5000

Synonyms:

Boracic acid, hydrogen borate, orthoboric acid.

Company Information:

LEONID CHEMICALS

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

Ashokpuram School Road

Bangalore-560 022, Karnataka, INDIA

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SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	51-17-2
Chemical Name	:	Benzimidazole
%	:	98%
EINECS#	:	200-081-4
Hazard Symbols	:	Unlisted.
Risk Phrases	:	Unlisted.

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

No information available.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation. May be harmful if absorbed through the skin.

Ingestion:

May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation:

May cause respiratory tract irritation. May be harmful if inhaled.

Chronic:

No information available.

SECTION 4 - FIRST AID MEASURES

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. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Get medical aid. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately.

Notes to Physician:

No information available.

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.

Extinguishing Media:

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:

Vacuum or sweep up material and place into a suitable disposal container.

SECTION 7 - HANDLING AND STORAGE

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Store in a cool, dry place. Store in a tightly closed container.

SECTION 8 - Exposure Controls, Personal Protection

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Crystalline powder
Color	:	Beige - brown
Odor	:	No information available.
PH	:	No information available.
Vapor Pressure	:	No information available.
Viscosity	:	Not applicable.
Boiling Point	:	> 360 deg C
Freezing/Melting Point	:	171 - 174 deg C
Autoignition Temperature	:	No information available.
Flash Point	:	No information available.

Explosion Limits, lower : No information available.
Explosion Limits, upper : No information available.
Decomposition Temperature : No information available.
Solubility in water : Negligible.
Specific Gravity/Density : No information available.
Molecular Formula : C7H6N2
Molecular Weight : 118.14

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:
No information available.

Conditions to Avoid:
Incompatible materials.

Incompatibilities with Other Materials:
Strong oxidizing agents.

Hazardous Decomposition Products:
Carbon monoxide, oxides of nitrogen, carbon dioxide.

Hazardous Polymerization:
Has not been reported.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:
CAS# 51-17-2: DD5425000

LD50/LC50:
CAS# 51-17-2: Oral, mouse: LD50 = 2910 mg/kg.
Not available.

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

SECTION 12 -ECOLOGICAL INFORMATION

No information available.

SECTION 13 -DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

Not regulated.

SECTION 15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives

Hazard Symbols:
No information available.

Risk Phrases:
No information available.

Safety Phrases:
S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)
CAS# 51-17-2: No information available.

United Kingdom Occupational Exposure Limits
No information available.

United Kingdom Maximum Exposure Limits
No information available.

Canada
CAS# 51-17-2 is listed on Canada's NDSL List.
CAS# 51-17-2 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits
No information available.

US FEDERAL
TSCA
CAS# 51-17-2 is listed on the TSCA inventory. -

SECTION 16 - ADDITIONAL INFORMATION

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.



