
SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name BENZIMIDAZOLE CAS #51-17-2
Product Type: Imidazole
Recommended Use: Laboratory Chemicals
Restrictions: Food, drug, pesticide, or biocidal product use.
Company: CAPLINQ Americas
36972 Schoolcraft Rd
Livonia, MI 48150
United States of America

CAPLINQ Europe BV
Industrieweg 15E
1566 JN Assendelft
The Netherlands
+31 20 893 2224

CAPLINQ Corporation
80 Sirocco Crescent
Ottawa, ON K2S 2C9
Canada
+1 (613) 416 8426

CAPLINQ Americas
36927 Schoolcraft Rd
Livonia, MI 48150
United States of America
+1 (618) 416 9739

CAPLINQ Malaysia
S-08-07 Setia Triangle
Penang, BL 11900
Malaysia
+60 (15) 460 00453

SECTION 2. HAZARDS IDENTIFICATION

PROPOSED CLASSIFICATION:

Not a hazardous substance or mixture

HAZARD IDENTIFICATION:

Not a hazardous substance or mixture

HAZARD PICTOGRAMS:

Not a hazardous substance or mixture

SECTION 3. INGREDIENT COMPOSITION

No.	Components	CAS Reg. No.	EinCS/ELINCS	Proportion (%)
1	Benzimidazole	51-17-2	200-081-4	99%

SECTION 4. FIRST AID MEASURES

GENERAL ADVICE:

Consult a physician. Show this safety data sheet to the doctor in attendance

INHALATION:

- Remove the victim to fresh air. If not breathing, give artificial respiration. Consult a physician.

SKIN CONTACT:

- Wash the affected area under tepid running water using a mild soap. Consult a physician.

EYE CONTACT:

- Gently rinse the affected eyes with clean water as a precaution

INGESTION:

- Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- In case of fire use water, dry sand, alcohol-resistant foam, dry chemical powder, carbon dioxide, foam.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

- Carbon oxides, Nitrogen oxides (NO_x).

ADVICE FOR FIREFIGHTERS

- Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION

- Wear proper equipment and avoid dust formation. Avoid breathing vapors, mist or gas.
- For personal protection see section 8.

ENVIRONMENTAL PRECAUTION

- Prevent spills from entering drains and waterways.

METHODS OF REMOVAL

- For small spills, absorb spills with absorbent and collect in chemical waste containers. For large spills, prevent contamination of the surrounding area and move material to a safe place for collection and disposal. For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

RESPIRATORY PROTECTION - PARTICULATE

HANDLING

Engineering measures

- Wear proper protective equipment to prevent contact with skin or inhalation of dust. Ensure adequate ventilation.

Cautions for safety handling

- Avoid dust formation. The potential for combustible dust formation should be taken into consideration before additional processing. Wear personal protective equipment/face protection. For precautions see section 2.2

STORAGE

- Keep in a dry, cool and well-ventilated place. Keep the container tightly closed. Incompatible Materials. Strong oxidizing agents. Storage class (TRGS 510): Non-Combustible Solids

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS

COMPONENTS WITH WORKPLACE CONTROL LIMITS:

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

EXPOSURE CONTROL

ENGINEERING MEASURES

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTIVE EQUIPMENT

EYE & FACE PROTECTION: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

RESPIRATORY: 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.

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

SKIN AND BODY PROTECTION: Wear appropriate protective gloves and clothing to prevent skin exposure.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Powder solid
Color:	Beige
Odor:	Odorless
Boiling Point/Range:	>360 °C / > 680 °F @760mmHg
Melting Point/Range:	171 - 174 °C / 339.8 - 345.2 °F
Flash Point:	No data available
Flammability or Explosive Limits:	No data available
Vapor Pressure:	No information available
Vapor Density:	Not applicable
Vapor Pressure:	No data available
Specific Gravity:	No information available
Solubility:	Insoluble

SECTION 10. STABILITY & REACTIVITY

Partition Coefficient: No data available

Autoignition Temperature: Not applicable

Decomposition Temperature: No information available

Viscosity: Not applicable

Molecular Formula: C7 H6 N2

Molecular Weight: 118.14

Stability: Stable under normal conditions

Reactivity: None known, based on information available

Incompatibility: Strong oxidizing agents

Hazardous Polymerization: No information available

Hazardous Reactions: None under normal processing

Hazardous Decomposition Products: Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity - NMP:

LD50 Oral - Mouse – 2,910 mg/kg

LD50 Dermal - Mouse – Not listed

LC50 Inhalation – Not listed

Toxicologically Synergistic Products – No information available

Delayed and immediate effects as well as chronic effects from short- and long-term exposure NMP :

Irritations - No information available

Sensitization – No information available

Carcinogenicity:

IARC: - Not listed | NTP: Not listed | ACGIH: Not listed | OSHA: Not listed | Mexico: Not listed

Mutagenic Effects: No data available**Reproductive Effects:** No data available**Developmental Effects:** No data available**Teratogenicity:** No information available**STOT – single exposure:** None known**STOT – repeated exposure:** None known**Aspiration hazard:** No data available**Symptoms/Effects, both acute and delayed:** No information available**Endocrine Disruptor Information:** No information available**Other Adverse Effects:** The toxicological properties have not been fully investigated.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Do not empty into drains**Persistence and Degradability:** Persistence is unlikely.**Bioaccumulation/Accumulation:** No data available**Mobility:** Is not likely mobile in the environment due to its low water solubility.**PBT and vPvB Assessment** PBT/vPvB assessment not available. Safety assessment not required/not conducted.**Other adverse effects:** No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14. TRANSPORT INFORMATION

DOT: Not regulated**TDG:** Not regulated**IATA:** Not regulated**IMDG/IMO:** Not regulated

SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations**SARA 302 Components:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

No SARA Hazards

CWA (Clean Water Act):

Not applicable

Clean Air Act:

Not applicable

OSHA: Occupational Safety and Health Administration

Not applicable

CALIFORNIA PROPOSITION 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date. Neither CAPLINQ Corporation, nor CAPLINQ Europe BV accept any liability arising out of the use of the information provided here or the use, application or processing of the product described herein.

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgments of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.