

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 23640

Page 1 of 14

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name : IMIDAZOLE AR  
Product code : 23640  
Identification of the product : IMIDAZOLE AR  
CAS No : 288-32-4  
EC Index-No. : 613-319-00-0  
EC No. : 206-019-2  
Synonyms : Glyoxaline, 1,3-Diazole, 1H-Imidazole

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### 1.3. Details of the supplier of the safety data sheet

**Company identification**  
MOLYCHEM INDIA LLP  
Office: Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 .  
Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No. B/9, Badlapur M.I.D.C.,  
OPP.Shobhavat Textile Co., Kulgaon, Badlapur (E),  
Dist.-Thane-421 503.

### 1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Acute toxicity (oral), Category 4 H302  
Skin corrosion/irritation, Category 1, Sub-Category 1C H314  
Reproductive toxicity, Category 1B H360D

Full text of H- and EUH-statements: see section 16

### Adverse physicochemical, human health and environmental effects

May damage fertility or the unborn child. Harmful if swallowed. Causes severe skin burns and eye damage.

### 2.2. Label elements

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 23640

Page 2 of 14

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage.

H360D - May damage the unborn child.

Precautionary statements (CLP)

: P201 - Obtain special instructions before use.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P280 - Wear protective clothing, eye protection, face protection, protective gloves

P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## 3. Composition/information on ingredients

### 3.1. Substances

Name : IMIDAZOLE AR

CAS-No : 288-32-4

### 3.2. Mixtures

Not applicable

## 4. First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON

**MOLYCHEM INDIA LLP**

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

• ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 23640

Page 3 of 14

First-aid measures after skin contact	CENTER/doctor. : Take off immediately all contaminated clothing. Immediately call a POISON CENTER/doctor. Rinse skin with water/shower. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Call a physician immediately
First-aid measures after ingestion	: Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Do not induce vomiting. Call a physician immediately.

## 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: Burns
Symptoms/effects after eye contact	: Serious damage to eyes
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Burns.

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5. Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Foam. Dry powder. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

**MOLYCHEM INDIA LLP**

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 23640

Page 4 of 14

## 5.3 Advice for firefighters

Protection during firefighting

: Use self-contained breathing apparatus and chemically protective clothing. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures

: Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

#### 6.1.1. For non-emergency personnel

Emergency procedures

: Evacuate unnecessary personnel. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders

Protective equipment

: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/ personal protection"

Emergency procedures

: Ventilate area. Evacuate unnecessary personnel.

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Mechanically recover the product. Large spills: scoop solid spill into closing containers. Notify authorities if product enters sewers or public waters.

Other information

: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 23640

Page 5 of 14

Precautions for safe handling

: Ensure good ventilation of the work station. Do not breathe dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes.

Hygiene measures

: Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Wash contaminated clothing before reuse. Separate working clothes from town clothes. Launder separately. Always wash hands after handling the product.

## 7.2. Conditions for safe storage, including any incompatibilities

Technical measures

: Comply with applicable regulations

Storage conditions

: Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Storage away from

: Direct sunlight. Overheating.

## 7.3. Specific end use(s)

No additional information available

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 23640**

Page 6 of 14

Eye protection : Chemical goggles or safety glasses  
Hand protection : Wear protective gloves  
Skin protection : Wear suitable protective clothing  
Respiratory protection : Wear appropriate mask.  
Thermal hazards : No additional information available

## 8.2.3 Environmental exposure controls

Avoid release to the environment

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : Solid  
Appearance : crystalline powder or crystals or flakes.  
Molecular mass : 68.08 g/mol  
Colour : White or pale yellow  
Odour : amine like.  
Odour threshold : Not available  
pH (5% aq.solution) : 9.5 - 10.5  
Melting point : 87 - 89°C  
Freezing point : Not applicable  
Boiling point : 256 °C  
Flash point : 145 °C  
Auto-ignition temperature : Not applicable  
Decomposition temperature : Not available  
Flammability (solid, gas) : Non flammable.  
Vapour pressure : 0.003 hPa at 20 °C  
Relative vapour density at 20 °C : 2.35 (Air = 1)  
Relative density : Not available  
Density : 1.03 g/cm<sup>3</sup>  
Solubility : Water: 663 g/l at 20 °C - Soluble in water  
Ethanol: Soluble  
Ether: Soluble  
Acetone: Soluble  
Partition coefficient n-octanol/water (Log Pow) : 0.02  
Viscosity, kinematic : Not applicable  
Viscosity, dynamic : 2.696 mPa·s at 100 °C  
Explosive limits : Not applicable

### 9.2. Other information

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 23640

Page 7 of 14

No additional information available

## 10. Stability and reactivity

### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapours.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Overheating.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Corrosive vapours.

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes severe skin burns.
Additional information	: Not classified
Serious eye damage/irritation	: Assumed to cause serious eye damage
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## 12. Ecological information

### 12.1. Toxicity

Ecology - general

Before neutralisation, the product may represent a danger

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 23640**

Page 8 of 14

Hazardous to the aquatic environment, short-term (acute) to aquatic organisms.  
Not classified  
Hazardous to the aquatic environment, long-term (chronic) Not classified

## 12.2. Persistence and degradability

No additional information available

## 12.3. Bioaccumulative potential

No additional information available

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Other adverse effects

No additional information available

## 13. Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as nonhazardous waste.  
Additional information : Do not re-use empty containers.

## 14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number

UN-No. (ADR) : UN 3263  
UN-No. (IMDG) : UN 3263  
UN-No. (IATA) : UN 3263  
UN-No. (ADN) : UN 3263  
UN-No. (RID) : UN 3263

### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 23640**

Page 9 of 14

## 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
Proper Shipping Name (IMDG)	: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
Proper Shipping Name (IATA)	: UN 3263 Corrosive solid, basic, organic, n.o.s. (IMIDAZOLE), 8, II
Proper Shipping Name (ADN)	: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
Proper Shipping Name (RID)	: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
Transport document description (ADR)	: UN 3263 CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (IMIDAZOLE), 8, II, (E)
Transport document description (IMDG)	: UN 3263 CORROSIVE SOLID, BASIC, ORGANIC, N.O.S., 8, II
Transport document description (IATA)	: UN 3263 Corrosive solid, basic, organic, n.o.s. (IMIDAZOLE), 8, II
Transport document description (ADN)	: UN 3263 CORROSIVE SOLID, BASIC, ORGANIC, N.O.S., 8, II
Transport document description (RID)	: UN 3263 CORROSIVE SOLID, BASIC, ORGANIC, N.O.S., 8, II

## 14.3. Transport hazard class(es)

### ADR

Transport hazard class(es) (ADR)	: 8
Danger labels (ADR)	: 8

### IMDG

Transport hazard class(es) (IMDG)	: 8
Danger labels (IMDG)	: 8

### IATA

Transport hazard class(es) (IATA)	: 8
Danger labels (IATA)	: 8

### ADN

Transport hazard class(es) (ADN)	: 8
Danger labels (ADN)	: 8

### RID

Transport hazard class(es) (RID)	: 8
Danger labels (RID)	: 8

## 14.4. Packing group

Packing group (ADR)	: II
Packing group (IMDG)	: II
Packing group (IATA)	: II
Packing group (ADN)	: II
Packing group (RID)	: II

## 14.5. Environmental hazards

Dangerous for the environment	: No
-------------------------------	------

### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 23640**

Page 10 of 14

Marine pollutant : No  
Other information : No supplementary information available

## 14.6. Special precautions for user

### Overland transport

Classification code (ADR) : C8  
Limited quantities (ADR) : 1kg  
Excepted quantities (ADR) : E2  
Packing instructions (ADR) : P002, IBC08  
Mixed packing provisions (ADR) : B4  
Portable tank and bulk container instructions (ADR) : T3  
Portable tank and bulk container special provisions (ADR) : TP33  
Tank code (ADR) : SGAN, L4BN  
Vehicle for tank carriage : AT  
Transport category (ADR) : 2  
Hazard identification number (Kemler No.) : 80  
Tunnel restriction code (ADR) : E  
EAC code : 2X

### Transport by sea

Limited quantities (IMDG) : 1 kg  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P002  
IBC packing instructions (IMDG) : IBC08  
Tank instructions (IMDG) : T3  
Tank special provisions (IMDG) : TP33  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-B  
Stowage category (IMDG) : B  
MFAG-No : 154

### Air transport

PCA Excepted quantities (IATA) : E2  
PCA Limited quantities (IATA) : Y844  
PCA limited quantity max net quantity (IATA) : 5kg  
PCA packing instructions (IATA) : 859  
PCA max net quantity (IATA) : 15kg  
CAO packing instructions (IATA) : 863  
CAO max net quantity (IATA) : 50kg  
ERG code (IATA) : 8L

### Inland waterway transport

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 23640**

Page 11 of 14

Classification code (ADN) : C8  
Limited quantities (ADN) : 1 kg  
Excepted quantities (ADN) : E2  
Equipment required (ADN) : PP, EP  
Number of blue cones/lights (ADN) : 0

### **Rail transport**

Classification code (RID) : C8  
Limited quantities (RID) : 1kg  
Excepted quantities (RID) : E2  
Packing instructions (RID) : P002, IBC08  
Mixed packing provisions (RID) : MP10  
Portable tank and bulk container instructions (RID) : T3  
Portable tank and bulk container special provisions (RID) : TP33  
Tank codes for RID tanks (RID) : SGAN, L4BN  
Transport category (RID) : 2  
Colis express (express parcels) (RID) : CE10  
Hazard identification number (RID) : 80

## **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

## **15. Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **15.1.1 EU-Regulations**

##### **EU restriction list (REACH Annex XVII)**

Reference code Applicable on	Reference code Applicable on
30.	IMIDAZOLE

Not listed on REACH Annex XIV (Authorisation List)  
Not listed on the REACH Candidate List  
Not listed on the PIC list (Regulation EU 649/2012)  
Not listed on the POP list (Regulation EU 2019/1021)  
Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### **MOLYCHEM INDIA LLP**

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 23640

Page 12 of 14

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.1.2. National regulations

### Germany

Water hazard class (WGK)

: WGK 2, Significantly hazardous to water  
(Classification according to AwSV; ID No. 1448).

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the Hazardous Incident Ordinance  
(12. BImSchV)

### Netherlands

SZW-lijst van kankerverwekkende stoffen

: The substance is not listed

SZW-lijst van mutagene stoffen

: The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding

: The substance is not listed

SZW-lijst van reprotoxische stoffen –  
Vruchtbaarheid

: The substance is not listed

SZW-lijst van reprotoxische stoffen –  
Ontwikkeling

: IMIDAZOLE is listed

### Denmark

Danish National Regulations

: Young people below the age of 18 years are not  
allowed to use the product Pregnant/breastfeeding  
women working with the product must not be in  
direct contact with the product

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## 16. Other information

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand
COD	Chemical oxygen demand
COD	Chemical oxygen demand

### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 23640

Page 13 of 14

DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
<b>Full text of H- and EUH-statements</b>	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Safety Data Sheet (SDS), EU This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not

## MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**IMIDAZOLE AR**  
(Buffer substance for pH 6.2 - 7.8)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 23640**

Page 14 of 14

therefore be construed as guaranteeing any specific property of the product.

## MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered