

# **MATERIAL SAFETY DATA SHEET (SDS/MSDS)**

**1,2,3-BENZOTRIAZOLE 99% FOR  
SYNTHESIS**

**CAS-No.: 95-14-7**

**Product Code: 00386**

**Molecular Formula: C<sub>6</sub>H<sub>5</sub>N<sub>3</sub>**

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## 1,2,3-BENZOTRIAZOLE 99% FOR SYNTHESIS

CAS-No.: 95-14-7



### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### **1.1. Product identifier**

Product form : Substance  
Trade name : 1,2,3-Benzotriazole 99% For Synthesis  
EC-No. : 202-394-1  
CAS No : 95-14-7  
Synonyms : 1H-Benzotriazole

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

##### **1.2.1. Relevant identified uses**

Use of the substance/mixture : Laboratory chemicals, Manufacture of substances

##### **1.2.2. Uses advised against**

No additional information available

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

Company : Chemnovo Synthesis Pvt Ltd.  
N-226 Near Kumbhavali Naka  
Tarapur MIDC, Boisar-401 506  
Palghar, Maharashtra  
Telephone : +91 7400096089  
Email: [export@chemnovo.in](mailto:export@chemnovo.in)

#### **1.4. Emergency telephone number**

Emergency number : + 91 7400096089 (9:00am - 6:00 pm)

### SECTION 2: Hazards identification

#### **2.1. Classification of the substance or mixture**

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

Acute toxicity (oral), H302

Category 4

Acute toxicity (dermal), H312

Category 4

Serious eye damage/eye irritation, Category 2

Hazardous to the aquatic environment – Chronic

Hazard, Category 3

Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R20

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## 1,2,3-BENZOTRIAZOLE 99% FOR SYNTHESIS

CAS-No.: 95-14-7

**Chemnovo**  
DRIVEN BY CHEMISTRY, DEFINED BY PRECISION

Xn; R22

Xi; R36

R52/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H302+H312 - Harmful if swallowed or in contact with skin

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

P273 - Avoid release to the environment

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

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

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Name	Product identifier	%
1,2,3-Benzotriazole For Synthesis		100

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

### 3.2. Mixture

Not applicable

**SECTION 4: First aid measures****4.1. Description of first aid measures**

First-aid measures after inhalation :	Assure fresh air breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact :	Wash with plenty of soap and water. Get immediate medical advice/attention.
First-aid measures after eye contact :	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion :	Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/injuries after eye contact :	Causes serious eye irritation.
Symptoms/effects after ingestion :	Harmful if swallowed.

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

No additional information available

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

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

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

No additional information available

**5.3. Advice for firefighter**

Protection during firefighting :	Do not enter fire area without proper protective equipment, including respiratory protection.
----------------------------------	---

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Emergency procedures :	Evacuate unnecessary personnel.
------------------------	---------------------------------

**6.1.2. For emergency responders**

Protective equipment :	Use personal protective equipment as required.
Emergency procedures :	Ventilate area.

**6.2. Environmental precautions**

Avoid release to the environment.

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

Methods for cleaning up :	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.
---------------------------	--

**MATERIAL SAFETY DATA SHEET (SDS/MSDS)****1,2,3-BENZOTRIAZOLE 99% FOR SYNTHESIS****CAS-No.: 95-14-7****Chemnovo**  
DRIVEN BY CHEMISTRY, DEFINED BY PRECISION**6.4. Reference to other sections**

No additional information available

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Precautions for safe handling	:	Avoid contact with skin and eyes. Do not breathe vapours. Avoid dust formation.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions	:	Store in a well-ventilated place. Keep container tightly closed. Store in original container. Protect from moisture.
--------------------	---	--

**7.3. Specific end use(s)**

No additional information available

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

No additional information available

**8.2. Exposure controls**

Hand protection	:	protective gloves
Eye protection	:	Chemical goggles or safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	Wear respiratory protection.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state	:	Solid
Molecular mass	:	119.13 g/mol
Colour	:	White to yellow
Odour	:	slight characteristic odor
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	97 - 99 °C
Freezing point	:	No data available
Boiling point	:	204 °C
Flash point	:	170 °C
Auto-ignition temperature	:	400 °C
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	0.05 hPa at 20 °C

Relative vapour density at 20 °C	:	4.1
Relative density	:	No data available
Density	:	1.36 g/cm <sup>3</sup>
Solubility	:	Water: Moderate (1-10%)
Log Pow	:	1.44
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	≥ 0.024 vol %

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No additional information available

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

Direct sunlight. Air contact. Moisture.

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

No additional information available

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity	:	Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Causes serious eye irritation.
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified

**MATERIAL SAFETY DATA SHEET (SDS/MSDS)****1,2,3-BENZOTRIAZOLE 99% FOR SYNTHESIS****CAS-No.: 95-14-7**

Potential adverse human health effects and symptoms : Harmful if swallowed.

**SECTION 12: Ecological information****12.1. Toxicity**

Ecology - water : May cause long lasting harmful effects to aquatic life.

**12.2. Persistence and degradability**

<b>1,2,3-BENZOTRIAZOLE 99% FOR SYNTHESIS</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

**12.3. Bioaccumulative potential**

<b>1,2,3-BENZOTRIAZOLE 99% FOR SYNTHESIS</b>	
Log Pow	1.44

**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

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product/Packaging disposal recommendations : Dispose of contents/container to ...

**SECTION 14: Transport information**

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

**14.1. UN number**

UN-No. (ADR) : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No.(IATA) : Not applicable  
UN-No.(AND) : Not applicable  
UN-No. (RID) : Not applicable

**14.2. UN proper shipping name**

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

**14.3. Transport hazard class(es)**

**MATERIAL SAFETY DATA SHEET (SDS/MSDS)****1,2,3-BENZOTRIAZOLE 99% FOR SYNTHESIS****CAS-No.: 95-14-7****ADR**

Transport hazard class(es) (ADR) : Not applicable

**IMDG**

Transport hazard class(es) (IMDG) : Not applicable

**IATA**

Transport hazard class(es) (IATA) : Not applicable

**AND**

Transport hazard class(es) (ADN) : Not applicable

**RID**

Transport hazard class(es) (RID) : Not applicable

**14.4. Packing group**

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

**14.5. Environmental hazards**

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

**14.6. Special precautions for user**

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## 1,2,3-BENZOTRIAZOLE 99% FOR SYNTHESIS

CAS-No.: 95-14-7



No REACH Annex XVII restrictions

1,2,3-Benzotriazole 99% For Synthesis is not on the REACH Candidate List

1,2,3-Benzotriazole 99% For Synthesis is not on the REACH Annex XIV List

### 15.1.2. National regulations

#### Germany

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV :

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

#### Denmark

Recommendations Danish Regulation :

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 additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed
H312	Harmful in contact with skin
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects
R20	Harmful by inhalation
R22	Harmful if swallowed
R36	Irritating to eyes
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Xi	Irritant
Xn	Harmful

**MATERIAL SAFETY DATA SHEET (SDS/MSDS)****1,2,3-BENZOTRIAZOLE 99% FOR SYNTHESIS****CAS-No.: 95-14-7****Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Chemnovo Synthesis Pvt Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.chemnovo.in](http://www.chemnovo.in) for additional terms and conditions of sale.

Version: 2.0

Revision Date: 12 January 2026