

 Bills Biotech	BILLS BIOTECH PVT. LTD. Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli-Vadodara.	
Title	Material Safety Data Sheet for Metronidazole Benzoate	Page 1 of 11

Revision 00

SECTION 1: Identification.

1.1 Product identifier

Product name	Metronidazole Benzoate
Chemical Name	2-methyl-5-nitro-1H-imidazole-1-ethanol 1-benzoate
CAS No.	13182-89-3
Molecular formula	C ₁₃ H ₁₃ N ₃ O ₄
Molecular weight	275.26 gm/mole

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

Identified uses: For industry use only.

Uses advised against: No data available.

1.3 Details of the supplier of the safety data sheet

Company information	BILLS BIOTECH PVT. LTD.
	Plot No.-P/01, Biotech Park Phase-1, GIDC, Manjusar Industrial Estate
	Village-Manjusar, Savli-Vadodara-391775

SECTION 2: Hazards identification.

2.1 Classification of the substance.

The substance is not classified, according to the Globally Harmonized System (GHS).

2.2 Label elements

GHS label elements: None

Hazard pictograms: None

Signal word :None

Hazard statements :None

Information pertaining to particular dangers for man and environment:

Classification system:



 Bills Biotech	BILLS BIOTECH PVT. LTD. Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli-Vadodara.
Title	Material Safety Data Sheet for Metronidazole Benzoate Page 2 of 11

NFPA ratings (scale 0 - 4)

Health = 0

Fire = 0

Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 0

Fire = 0

Reactivity = 0

2.3 Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

2.4 Classification according to (d)(1)(ii) of § 1910.1200:

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

2.5 Hazards not otherwise classified :

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

SECTION 3: Composition/information on ingredients

3.1 Substances.

Chemical Name 2-methyl-5-nitro-1H-imidazole-1-ethanol 1-benzoate

CAS No. 13182-89-3

SECTION 4: First aid measures.

4.1 Description of first aid measures.

Consult a doctor wherever necessary

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water

After swallowing: If symptoms persist consult doctor.

Most important symptoms and effects, both acute and delayed

May cause redness and tearing of the eyes. Burning sensation.

Indication of any immediate medical attention and special treatment needed



 Bills Biotech	BILLS BIOTECH PVT. LTD. Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli-Vadodara.
Title	Material Safety Data Sheet for Metronidazole Benzoate
	Page 3 of 11

Treat symptomatically.

SECTION 5: Firefighting measures.

5.1 Extinguishing media.

Suitable extinguishing agent

Use fire fighting measures that suit the environment.

A solid water stream may be inefficient

Special hazards arising from the substance or mixture. No further relevant information available

Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures.

Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.

6.2 Environmental precautions.

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

6.3 Methods and material for containment and cleaning up.

Methods for containment : Prevent further leakage or spillage if safe to do so.

Methods for cleaning up : Take up mechanically, placing in appropriate containers for disposal.

SECTION 7: Handling and storage.

7.1 Precautions for safe handling.

No special measures required.

7.2 Information about protection against explosions and fires:

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage: Preserve in well-closed, light-resistant containers. Store at 25°C .Excursions permitted between 15°C and 30°C

Retest : See retest date on the label

Packaging materials: Double LDPE bags in HDPE drum.



 Bills Biotech	BILLS BIOTECH PVT. LTD. Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli-Vadodara.
Title	Material Safety Data Sheet for Metronidazole Benzoate

Page 4 of 11

SECTION 8: Exposure controls/personal protection.

8.1 Control parameters:

Occupational exposure limit values.

No data available.

Biological limit values

No data available.

8.2 Exposure controls :

Appropriate engineering controls : No data available

8.3 Personal protective equipment:

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Not required.
- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Not required.



 Bills Biotech	BILLS BIOTECH PVT. LTD. Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli- Vadodara.	
Title	Material Safety Data Sheet for Metronidazole Benzoate	Page 5 of 11

SECTION 9 : Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

Appearance	White crystalline powder
Physical state	Solid
Colour	White
Odour threshold	No data available
pH	In the range of 5.0 to 7.0 (1 g in 100 ml)
Melting point	In the range of 98°C to 102°C
Boiling Point	N.A./N.A.
Flash point	N.A./N.A.
Evaporation rate	N.A./N.A.
Inflammability (solid, gas)	N.A./N.A.
Lower Explosive Limit	N.A./N.A.
Upper Explosive Limit	N.A./N.A.
Vapour pressure	N.A./N.A.
Vapour density	N.A./N.A.
Relative density	N.A./N.A.
Solubility	
Liposolubility	N.A./N.A.
Hydrosolubility	N.A./N.A.
Partition coefficient (n-octanol/water)	N.A./N.A.
Auto-ignition temperature	N.A./N.A.
Decomposition temperature	N.A./N.A.
Viscosity	N.A./N.A.
Explosive properties	N.A./N.A.
Oxidizing properties	N.A./N.A.

N.A./N.A.= Not Available/Not Applicable due to the nature of the product



 Bills Biotech	BILLS BIOTECH PVT. LTD. Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli-Vadodara.
Title	Material Safety Data Sheet for Metronidazole Benzoate

Page 6 of 11

SECTION 10: Stability and reactivity.

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information.

11.1 Acute toxicity:

Primary irritant effect:

On the skin: No irritant effect.

On the eye: No irritating effect

Sensitization: No sensitizing effects known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects experience and the information provided to us.

The substance is not subject to classification.

Interactive effects No interactive effects between components are known.

Carcinogenic categories

IARC (International Agency for Research on Cancer) Substance is not listed.



 Bills Biotech	BILLS BIOTECH PVT. LTD. Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli-Vadodara.	
Title	Material Safety Data Sheet for Metronidazole Benzoate	Page 7 of 11

NTP (National Toxicology Program) Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

Alternative sources for toxicological information.

No non-standard sources for toxicological information where used.

SECTION 12: Ecological information.

12.1 Ecotoxicity.

No information is available regarding the ecotoxicity.

12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

12.3 Bio accumulative potential.

No information is available regarding the bioaccumulation.

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

PBT/vPvB assessment unavailable as chemical safety assessment not required or not conducted.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects.

No information is available about other adverse effects for the environment.



 Bills Biotech	BILLS BIOTECH PVT. LTD. Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli-Vadodara.	
Title	Material Safety Data Sheet for Metronidazole Benzoate	Page 8 of 11

Additional ecological information:

12.8 General notes

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations.

Product.

The material must be disposed off by removal to a licenced chemical distribution plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging.

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packages may be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14: Transport information.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number.	ARD/RID: Not regulated
	IMDG: Not regulated
	IATA: Not regulated
14.2 UN proper shipping name.	ADR/RID: No
	IMDG: No
	IATA: No
14.3 Transport hazard class(es).	ADR/RID: No
	IMDG: No
	IATA: No
14.4 Packing group.	ADR/RID: NA
	IMDG: NA
	IATA: NA
14.5 Environmental hazards.	ADR/RID: No





BILLS BIOTECH PVT. LTD.

Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli-Vadodara.

Title

Material Safety Data Sheet for Metronidazole Benzoate

Page 9 of 11

14.6 Special precautions for user.

Further information

IMDG: No

IATA: No

No data available

Not classified as dangerous in the meaning of transport regulations.

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

No data available

SECTION 15: Regulatory information.

15.1 Safety, health and environmental regulations/legislation specific for the substance.

Chemical name	Common name and synonyms	CAS number	EC number
2-methyl-5-nitro-1H-imidazole-1-ethanol 1-benzoate	Benzoylmetronidazole	13182-89-3	236-131-7
European Inventory of Existing Commercial Chemical Substances (EINECS)			Not listed
EC Inventory			236-131-7
United States Toxic Substances Control Act (TSCA) Inventory			Not listed
China Catalog of Hazardous chemicals 2015			Not listed
New Zealand Inventory of Chemicals (NZIoC)			Not listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			Not listed
Vietnam National Chemical Inventory			Not listed
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Not listed

15.2 Chemical safety assessment.

There has been no evaluation a chemical safety assessment of the product.



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Title	Material Safety Data Sheet for Metronidazole Benzoate	Page 10 of 11

SECTION 16: Other information.

Abbreviations and acronyms used:

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

TWA: Time Weighted Average

STEL: Short term exposure limit

CEN: European Committee for Standardization.

PPE: Personal protection equipment

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/E EC, 93/105/EC and 2000/21/EC.

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 Bills Biotech	BILLS BIOTECH PVT. LTD. Plot No.-P/01, Biotech Park Phase-1 GIDC, Manjusar Industrial Estate, Manjusar, Savli- Vadodara.	
Title	Material Safety Data Sheet for Metronidazole Benzoate	Page 11 of 11

	Prepared by	Reviewed by	Approved by
Name	maresh padhiyar	Gunjan Prajapati	Ms. Namrata mahadik
Signature	M. C. P.	Gunjan.	N. Mahadik
Date	20-05-2026	20-05-2026	20-05-2026

