



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Metronidazole Benzoate USP

30-4747

Section 1: Identification

Product Name Metronidazole Benzoate USP
Commercial Name N/A
Product Use N/A
Restrictions On Use N/A

Product Code 30-4747

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Serious eye damage/eye irritation (Category 2B) Carcinogenicity (Category 2) Specific target organ toxicity, repeated exposure (Category 2) (nervous system)

CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Causes eye irritation. Suspected of causing cancer. May cause damage to organs (nervous system) through prolonged or repeated exposure.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Metronidazole Benzoate USP
% By Weight 100
CAS# 13182-89-3
Molecular Weight 275.26
Chemical Formula C₁₃H₁₃N₃O₄
Synonym(s) 2-methyl-5-nitro-1H-imidazole-1-ethyl benzoate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Metronidazole Benzoate USP	13182-89-3	100	Not available	Not available

Section 4: First-Aid Measures

Inhalation	Supply fresh air. Keep a person warm and at rest.
Skin Contact	Remove contaminated clothing. Wash affected skin with soap and water. Wash contaminated clothing before reuse.
Eye Contact	Remove contact lenses if present and easy to do. Rinse opened eye for several minutes under running water.
Ingestion	After swallowing: Rinse mouth with water.
Symptoms/Effects	
Acute	Not available
Delayed	Not available

Immediate Medical Attention

General information: Remove contaminated clothing and shoes. Do not leave the affected person unattended. Information for doctor: Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures
Suitable Extinguishing Media

Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable Extinguishing Media

None

Products of Combustion

Carbon dioxide, Carbon monoxide, Nitrogen oxide.

Firefighters Special Equipment and Precautions

Wear suitable protective clothing. Standard procedure for chemical fires.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid contact with the skin, eyes and clothing. · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water. · 6.3 Methods and material for containment and cleaning up: Dispose of the material collected according to regulations. · 6.4 Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7: Handling and Storage

7.1 Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice. · Information about fire - and explosion protection: Keep ignition sources away. Normal measures for preventive fire protection. · 7.2 Conditions for safe storage, including any incompatibilities · Storage: · Requirements to be met by storerooms and receptacles: Use product in a properly ventilated work area. Observe all warnings and precautions listed for the product. · Information about storage in one common storage facility: Store away from incompatible materials. · Further information about storage conditions: Keep the container tightly sealed.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	N/A
Engineering Controls	N/A
Personal Protection	· General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. · Respiratory protection: Use appropriate respiratory devices when necessary. · Protection of hands: Protective gloves · 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: Eye wash bottle with pure water. · Body protection: Wear appropriate protective clothing to prevent skin contact.

Section 9: Physical and Chemical Properties

Appearance	White or slightly yellowish crystalline powder.		
Odor	N/A		
Odor Threshold	N/A		
Melting Point	99-102°C	pH	5 - 7 (2% soln/water)
Freezing Point	N/A	Vapor Pressure	N/A
Boiling Point/Range	N/A	Vapor Density	N/A
Decomposition temperature	N/A	Viscosity	N/A
Partition Coefficient: n-octanol/water	N/A	Evaporation Rate	N/A
Flash Point	The flash point is only a r	Autoignition temperature	N/A
Flammability	N/A	Flammability or Explosive Limits:	
		Lower	N/A
		Upper	N/A
Solubility(ies)	Partially Insoluble in water. Freely soluble in Methylene chloride, soluble in acetone and slightly soluble in alcohol.		
Other	N/A		

Section 10: Stability and Reactivity

Reactivity	N/A
Chemical Stability	N/A
Hazardous Polymerization	N/A
Conditions to Avoid	N/A
Incompatible Materials	N/A
Hazardous Decomposition Products	Carbon dioxide, Carbon monoxide, Nitrogen oxide.

Section 11: Toxicological Information

RTECS	N/A
Acute Toxicity	N/A
Skin Corrosion/Irritation	N/A
Serious Eye Damage/Irritation	N/A
Respiratory or Skin Sensitization	N/A
Germ Cell Mutagenicity	N/A
Carcinogenicity	N/A
Reproductive Toxicity	N/A
Routes of Entry	N/A

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Symptoms Related to Exposure

N/A

Potential Health Effects

N/A

Target Organ(s) N/A**Section 12: Ecological Information****Ecotoxicity**

N/A

Persistence and Degradability

N/A

Bioaccumulative Potential

N/A

Mobility in Soil

N/A

Other Adverse Effects

N/A

Section 13: Disposal Considerations**Waste Disposal**

Recommendation: Smaller quantities can be disposed of with household waste.

Disposal of Container

N/A

Other Considerations

N/A

Section 14: Transport Information**DOT Classification**

N/A

Section 15: Regulatory Information**Regulations**

N/A

Other

N/A

Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.