



SAFETY DATA SHEET (1907/2006)

21456GHSEU

Revision Date: 06/28/2012

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Bodoxin® AE

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Bodoxin® AE
Product Code: 21456GHSEU
Registration Number: No information available.

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use Description: Biocide

1.3 Details of the Supplier of the Safety Data Sheet

Company/Undertaking Identification: ISP Horhausen GmbH
Industriepark 23
D-56593 Horhausen, Germany
Tel: +49 2687 926530

E-mail Address: MSDS@ISPCORP.COM

Prepared By: Product Stewardship

1.4 Emergency Telephone Number

Emergency Telephone: +32.3.575.55.55 (SGS)

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture/

2.2 Label Elements

CLP Regulation, EC 1272/2008

Signal Word: Danger

Hazard Statements
H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage



Hazard Category:

Acute Oral Toxicity

Category 4

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1

Physical Hazard Category:

None

Precautionary Statements:

P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P301+ P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
P330 - Rinse mouth
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
P321 - Specific treatment (see supplemental first aid instructions on this label)
P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P362 - Take off contaminated clothing and wash before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/ physician
P501 - Dispose of contents/ container to an approved waste disposal plant

Directive 67/548/EEC

Indication of Danger:

Xn - Harmful



R-phrases(s):

R22 - Harmful if swallowed.
R38 - Irritating to skin
R41 - Risk of serious damage to eyes.

2.3 Other Hazards

Other Information

- None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components:	Weight %	CAS-No	ECC Number	EU - GHS Substance Classification	Directive 67/548/EEC
Methanol, [1,2-ethanediylbis(oxy)]bis-	50-100	3586-55-8	222-720-6	NA	NA

4. FIRST AID MEASURES

4.1 Description of First-Aid Measures

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

Skin Contact:	Wash off immediately with soap and plenty of water. Consult a physician.
Inhalation:	Move to fresh air. Get medical attention immediately if symptoms occur.
Ingestion:	Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician immediately.
Protection of First-aiders:	Use personal protective equipment.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and Effects, Both Acute and Delayed: None known

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO2). Dry powder. Foam. Water spray.

Extinguishing Media Which Shall Not Be Used For Safety Reasons: No information available.

5.2 Special Hazards Arising From the Substance or Mixture

Special Hazard: No information available.

Flammable Properties: None known.

Explosive Properties: Not explosive.

5.3 Advice for Firefighters

Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Use personal protective equipment. Ensure adequate ventilation.

6.2 Environmental Precautions

Environmental Precautions: Prevent product from entering drains. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

6.3 Methods and Materials for Containment and Cleaning Up

Methods for Cleaning Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

6.4 Reference to Other Sections

Other Information: Not applicable

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Handling: Avoid formation of aerosol. Handle and open container with care. Wash thoroughly after handling.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage: Store in original container. Keep containers tightly closed in a cool, well-ventilated place.

Incompatible Materials: Acids.

7.3 Specific End Use(s)

Product Use Description: Biocide

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Components:	German Recommended Exposure Limits (MAK):	UK Workplace Exposure Limits (WELs):	Belgium - Recommended Exposure Limits:	Italy - Recommended Exposure Limits:	France - Recommended Exposure Limits:
Methanol, [1,2-ethanediylbis(oxy)]bis-3586-55-8 (50-100)	Not determined	Not determined	Not Determined	Not Determined	Not Determined

8.2 Exposure Controls

Engineering Measures: Use only in well-ventilated areas.

Respiratory Protection: Use only in well-ventilated areas.. In case of insufficient ventilation wear suitable respiratory equipment.

Hand Protection: butyl-rubber. Nitrile rubber. Gloves.

Eye Protection: Chemical resistant goggles must be worn. Face-shield.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental Controls: Not determined.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance:

Physical State: Liquid

Color: Colorless

Odor: Pungent

Odor Threshold : No information available

pH: 6-8 (1% Solution)

Melting point (°C):	Not determined
Freezing Point (°C):	Not determined
Boiling point (°C):	Not determined
Initial Boiling Point (°C):	No information available
Boiling point/boiling range (°C):	Not determined
Flash point (°C):	>100
Evaporation Rate:	No data available
Flammable Properties:	None known.
Flammability Limits in Air	
Upper:	Not determined
Lower:	Not determined
Vapor Pressure:	<10 hPa
Vapor Density:	1.1-1.3 g/cm ³
Specific Gravity:	Not determined
Solubility:	Miscible in water
Partition coefficient: n-octanol/water:	Not determined
Autoignition Temperature (°C):	Not determined
Decomposition Temperature (°C):	Not determined
Viscosity:	Not determined.
Explosive Properties:	Not explosive
Oxidizing Properties:	No information available

9.2 Other Information

Other Information:	None known
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10. STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity:	No data available
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10.2 Chemical Stability

Chemical Stability:	Stable under normal conditions.
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10.3 Possibility of Hazardous Reactions

Hazardous Reactions:	None under normal processing
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10.4 Conditions to Avoid

Conditions to Avoid:	Heat, flames and sparks
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10.5 Incompatible Materials

Incompatible Materials: Acids.

10.6 Hazardous Decomposition Products

Hazardous Decomposition Products: Formaldehyde.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Product Information:

Acute Oral Toxicity (LD50): 760 mg/kg (Rat) (female)
1000 mg/kg (Rat) (male)

Acute Dermal Toxicity (LD50): >2000 mg/kg (Rat)

Acute Inhalation Toxicity (LC50): Not Determined

Eye Irritation: May cause irreversible eye damage

Skin Irritation: Causes skin irritation.

Sensitization: Does not cause skin sensitization

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity: LC50= 71 mg/L 96hour (Brachydanio rerio (zebra fish))
EC50=28 mg/L 48hour (Daphnia magna (Water flea))
EC50=4.62 mg/L 72hour (Algae)

12.2 Persistence and Degradability

Persistence and Degradability: Readily biodegradable.

12.3 Bioaccumulative Potential

Bioaccumulative Potential: Not determined

12.4 Mobility in Soil

Mobility: Not determined

12.5 Results of PBT and vPvB Assessment

Results of PBT Assessment: Unknown

12.6 Other Adverse Effects

Other effects None known

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal Methods: Dispose of in accordance with local regulations

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

IMDG/IMO: Not regulated

IATA: Not regulated

DOT (NON-BULK): Not regulated

DOT(BULK): Not regulated

ADR: Not regulated

Tunnel restriction code: None

Transport in bulk (Annex II of MARPOL 73/78) and IBC Code: Not applicable

15. REGULATORY INFORMATION

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

Council Directive 96/82/EC (SEVESO): Not applicable

Inventories	Status
TSCA	Not Listed
DSL	Not Listed
NDSL	Not Listed
ENCS	Listed
AICS	Listed
EINECS	Listed
ELINCS	Not Listed
NZIoC	Listed
KECI	Listed
PICCS	Listed
IECSC	Listed

Germany VCI Assigned Classification into Water Endangering Classes (WGK) List:

Components:	Germany VCI Assigned Classification into Water Endangering Classes (WGK) List:
Methanol, [1,2-ethanediylbis(oxy)]bis-3586-55-8	Annex 3: 5222

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this product by the supplier.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage

Full text of R-phrases referred to under Sections 2 and 3:

R22 - Harmful if swallowed.
R38 - Irritating to skin
R41 - Risk of serious damage to eyes.

Prepared By: Product Stewardship

Revision Date: 06/28/2012

MSDS sections updated: This data sheet contains changes from the previous version in section(s) 15

Legend: N.Av.= Not Available; N.A.= Not Applicable

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End of Safety Data Sheet