

# Safety Data Sheet

## Bronidox® 1160

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Version: 2.0

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(30534023/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Bronidox® 1160

#### Recommended use of the chemical and restriction on use

Recommended use\*: preserving agent

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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

##### Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Synonyms: 2-Phenoxyethanol

### 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Acute Tox.	4 (oral)	Acute toxicity
Eye Dam./Irrit.	1	Serious eye damage/eye irritation

#### Label elements

Pictogram:

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Signal Word:  
Danger

Hazard Statement:  
H318 Causes serious eye damage.  
H302 Harmful if swallowed.

Precautionary Statements (Prevention):  
P280 Wear eye/face protection.  
P270 Do not eat, drink or smoke when using this product.  
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):  
P310 Immediately call a POISON CENTER or doctor/physician.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301 + P330 IF SWALLOWED: rinse mouth.

Precautionary Statements (Disposal):  
P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
104-68-7	5.0 - 10.0%	2-(2-phenoxyethoxy)ethanol
122-99-6	90.0 - 100.0%	2-Phenoxyethanol

## 4. First-Aid Measures

### Description of first aid measures

**General advice:**  
Remove contaminated clothing.

**If inhaled:**  
Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

**If on skin:**  
After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing and shoes. Wash contaminated clothing before reuse. If irritation should develop, seek medical attention.

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### If in eyes:

Hold eyelids open to facilitate rinsing. Flush immediately with water for 20-30 minutes. Immediate medical attention required.

### If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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

#### Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
harmful vapours, carbon oxides

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

If exposed to fire, keep containers cool by spraying with water.

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## 6. Accidental release measures

### Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

### Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective clothing and equipment.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).  
Dispose of absorbed material in accordance with regulations.  
For large amounts: Pump off product.

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Place absorbed material in the same container as the spilled substance/product for disposal.

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## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary provided product is used correctly.

### Conditions for safe storage, including any incompatibilities

Segregate from foodstuffs.

Suitable materials for containers: Stove-lacquer EHD0022, Stove-lacquer 79/14/3 (Müller/CH), High density polyethylene (HDPE)

Further information on storage conditions: Store protected against freezing. Keep only in the original container. Keep container tightly sealed.

Storage stability:

Storage temperature:  $\geq 10$  °C

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## 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

### Advice on system design:

Local exhaust ventilation preferred.

### Personal protective equipment

#### Respiratory protection:

Respiratory protection in case of vapour/aerosol release.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Tightly fitting safety goggles (chemical goggles).

#### Body protection:

Body protection must be chosen based on level of activity and exposure.

### General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and Chemical Properties

Form:	liquid
Odour:	flowery
Odour threshold:	not determined
Colour:	almost colourless
pH value:	7
	( 20 °C)

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Freezing point:	not determined	
Boiling point:	not determined	
:	No applicable information available.	
Flash point:	121.1 °C	(ASTM D92)
Flammability:	not flammable	
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	475 °C	(DIN 51794)
Vapour pressure:	not determined < 0.01 mbar	
Density:	1.10 g/cm <sup>3</sup> ( 20 °C)	
Relative density:	No data available.	
Vapour density:	not determined	
Partitioning coefficient n-octanol/water (log Pow):	1.2 ( 23 °C)	(OECD Guideline 107)
Self-ignition temperature:	Based on its structural properties the product is not classified as self-igniting.	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	not determined	
Viscosity, kinematic:	No applicable information available.	
Particle size:	The substance / product is marketed or used in a non solid or granular form.	
Solubility in water:	24 g/l ( 20 °C)	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	Moderate - (1 to 10 %) solvent(s): distilled water,	
Evaporation rate:	not determined	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

### Conditions to avoid

See MSDS section 7 - Handling and storage.

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### Incompatible materials

strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Harmful if swallowed.

#### Oral

Type of value: LD50

Species: rat

Value: > 300 - 2,000 mg/kg

*Information on: 2-Phenoxyethanol*

*Type of value: LD50*

*Species: rat (male/female)*

*Value: 2,740 mg/kg (OECD Guideline 401)*

*Type of value: LD50*

*Species: rat (male/female)*

*Value: 1,850 mg/kg (OECD Guideline 401)*

*Information on: 2-(2-phenoxyethoxy)ethanol*

*Type of value: LD50*

*Species: rat (female)*

*Value: 3,526 mg/kg (OECD Guideline 425)*

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#### Inhalation

Type of value: LC50

Species: rat

not determined

#### Dermal

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

#### Irritation / corrosion

Assessment of irritating effects: Causes serious eye damage.

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*Information on: 2-Phenoxyethanol*

*Assessment of irritating effects: Not irritating to the skin. Eye contact causes irritation.*

*Information on: 2-(2-phenoxyethoxy)ethanol*

*Assessment of irritating effects: May cause severe damage to the eyes. Not irritating to the skin.*

### Sensitization

Assessment of sensitization: No applicable information available.

Based on available Data, the classification criteria are not met.

### Aspiration Hazard

No aspiration hazard expected.

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: No data available.

### Genetic toxicity

Assessment of mutagenicity: Based on available Data, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity: No data available.

### Reproductive toxicity

Assessment of reproduction toxicity: No applicable information available.

### Teratogenicity

Assessment of teratogenicity: Based on available Data, the classification criteria are not met.

### Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

## Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

#### Toxicity to fish

LC50 > 100 mg/l

#### Aquatic invertebrates

LC50 (48 h), daphnia

not determined

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Aquatic plants  
EC50 (72 h), algae  
not determined

Chronic toxicity to fish  
No observed effect concentration > 1 mg/l

Chronic toxicity to aquatic invertebrates  
No data available.

Chronic toxicity to fish

*Information on: 2-Phenoxyethanol*  
*No observed effect concentration (34 d) 23 mg/l, Pimephales promelas (OECD Guideline draft, Flow through.)*  
*Nominal concentration.*  
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### Microorganisms/Effect on activated sludge

Toxicity to microorganisms  
EC0: > 100 mg/l

### Persistence and degradability

Assessment biodegradation and elimination (H2O)  
Readily biodegradable (according to OECD criteria).

Assessment biodegradation and elimination (H2O)

*Information on: 2-Phenoxyethanol*  
*Readily biodegradable (according to OECD criteria).*  
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### Mobility in soil

Assessment transport between environmental compartments  
The substance will not evaporate into the atmosphere from the water surface.  
Adsorption to solid soil phase is not expected.

### Additional information

Add. remarks environm. fate & pathway:  
Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:  
The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## 13. Disposal considerations

**Waste disposal of substance:**  
Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.



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### Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

## 14. Transport Information

### Land transport

USDOT

Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Cosmetic TSCA, US released / exempt

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute;

#### EPCRA 313:

##### CAS Number

104-68-7

122-99-6

##### Chemical name

2-(2-phenoxyethoxy)ethanol

2-Phenoxyethanol

##### CERCLA RQ

1000 LBS

100 LBS

##### CAS Number

108-95-2; 1310-

58-3

123-91-1

##### Chemical name

phenol; Potassium hydroxide

1,4-dioxane

### State regulations

#### State RTK

NJ

PA

#### CAS Number

104-68-7

122-99-6

104-68-7

122-99-6

#### Chemical name

2-(2-phenoxyethoxy)ethanol

2-Phenoxyethanol

2-(2-phenoxyethoxy)ethanol

2-Phenoxyethanol

#### CA Prop. 65:

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

#### NFPA Hazard codes:

Health : 2

Fire: 1

Reactivity: 0

Special:

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### HMIS III rating

Health: 2      Flammability: 1      Physical hazard: 0

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## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations  
SDS Prepared on: 2016/05/26

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