

# SAFETY DATA SHEET

## PREVENTOL P 30 US



Version 1.0      Revision Date: 04/13/2020      SDS Number: 103000004867      Date of previous issue: -  
Country / Language: US / EN

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### SECTION 1. IDENTIFICATION

Product name : PREVENTOL P 30 US  
Material number : 56529652  
EPA Registration Number : 39967-64  
Recommended use : Biocide

#### Manufacturer or supplier's details

Supplier : LANXESS Corporation  
Product Safety & Regulatory Affairs  
111 RIDC Park West Drive  
PittsburghPA 15275-1112  
USA  
Telephone : +1800LANXESS  
+14128091000 (international)  
Emergency telephone : CHEMTREC (800) 424 9300  
International (703) 527 3887  
Lanxess Emergency Phone (800) 410-3063

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute toxicity (Oral) : Category 4  
Acute toxicity (Inhalation) : Category 1  
Serious eye damage : Category 1  
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

#### GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : Harmful if swallowed.  
Causes serious eye damage.  
Fatal if inhaled.  
May cause respiratory irritation.

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### Precautionary Statements

**Prevention:**

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wear eye protection/ face protection.  
Wear respiratory protection.

**Response:**

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
bronopol (INN)	52-51-7	>= 30 - < 50

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.

If inhaled : Get medical attention immediately.  
Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If unconscious, place in recovery position and get medical attention immediately.  
Maintain open airway.  
If not breathing, if breathing is irregular or if respiratory arrest

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- occurs, provide artificial respiration or oxygen by trained personnel.
- In case of skin contact : Wash off with soap and plenty of water.  
Get medical attention if symptoms occur.
- In case of eye contact : Get medical attention immediately.  
In case of contact, flush eyes with plenty of water for at least 30 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Chemical burns must be treated promptly by a physician.
- If swallowed : Rinse mouth with water.  
Do not induce vomiting unless directed to do by medical personnel.  
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.  
If unconscious, place in recovery position and get medical attention immediately.  
Never give anything by mouth to an unconscious person.  
Maintain open airway.  
Get medical attention.

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

- Symptoms : Acute overexposure to this product may cause dizziness, headache, drowsiness, malaise, abdominal pain.  
Eye: Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.  
May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.
- Effects : Harmful if swallowed.  
Causes serious eye damage.  
Fatal if inhaled.  
May cause respiratory irritation.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

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### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : No action shall be taken involving any personal risk or without suitable training.  
In a fire or if heated, a pressure increase will occur and the

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- container may burst.  
Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.  
Water runoff from fire fighting may be corrosive.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Nitrogen oxides (NO<sub>x</sub>)  
Halogenated compounds
- Further information : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.  
No action shall be taken involving any personal risk or without suitable training.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Do not breathe vapors or spray mist.  
Do not touch or walk through spilled material.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Keep unnecessary and unprotected personnel from entering.  
Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so.  
Move containers from spill area.  
Wash spillages into an effluent treatment plant or proceed as follows.  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Dispose of wastes in an approved waste disposal facility.  
Do not allow into the sewerage system, surface waters or groundwater or into the soil.
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### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapors/dust.
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Avoid contact with skin and eyes.  
For personal protection see section 8.  
Do not smoke.  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.  
Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day.  
In case of insufficient ventilation, wear suitable respiratory equipment.

Further information on storage stability : Stable under recommended storage conditions.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Polyethylene glycol	25322-68-3	TWA (aerosol)	10 mg/m <sup>3</sup>	US WEEL

**Engineering measures** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### Personal protective equipment

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
A NIOSH approved air purifying respirator with organic vapor cartridges and particulate prefilter can be used to minimize exposure.  
For emergency and other conditions where the exposure limits may be greatly exceeded, use an approved, positive pressure self-contained breathing apparatus or supplied air.

#### Hand protection

Material : Polychloroprene - CR

Material : polyvinyl chloride (PVC)

**Remarks** : After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations

**Eye protection** : Tightly fitting safety goggles

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Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Impervious clothing

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.  
Appropriate techniques should be used to remove potentially contaminated clothing.  
Wash contaminated clothing before reusing.  
Ensure that eyewash stations and safety showers are close to the workstation location.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid

Odor : No data available

Odor Threshold : No data available

pH : 4.04  
Concentration: 1 %

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : > 219 °F (> 104 °C)  
Method: closed cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : No data available

Density : 1.27 g/cm<sup>3</sup> (68 °F (20 °C))

Solubility(ies) : No data available

Partition coefficient: n- : No data available

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octanol/water

Ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Explosive properties : No data available

Oxidizing properties : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is chemically stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No data available

Incompatible materials : No specific data.

Hazardous decomposition products : No data available

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### SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Ingestion

#### Acute toxicity

Harmful if swallowed.  
Fatal if inhaled.

#### Product:

Acute oral toxicity : LD50 (Rat): 310.2 mg/kg

Acute inhalation toxicity : LC50 (Rat, male): 0.52 - 2.03 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

LC50 (Rat, female): 0.052 - 0.52 mg/l  
Exposure time: 4 h

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Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

### **Components:**

#### **bronopol (INN):**

Acute oral toxicity : LD50 (Rat): 193 - 211 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 0.588 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
GLP: yes

### **Skin corrosion/irritation**

Not classified based on available information.

### **Product:**

Remarks: Slightly irritating.

### **Components:**

#### **bronopol (INN):**

Species: Rabbit  
Remarks: No skin irritation

### **Serious eye damage/eye irritation**

Causes serious eye damage.

### **Product:**

Remarks: Severe irritant

### **Components:**

#### **bronopol (INN):**

Species: Rabbit  
Result: Risk of serious damage to eyes.

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

### **Product:**

Routes of exposure: Skin contact  
Result: Not a skin sensitizer.

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### Components:

#### **bronopol (INN):**

Routes of exposure: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitization.

#### **Germ cell mutagenicity**

Not classified based on available information.

### Components:

#### **bronopol (INN):**

Genotoxicity in vitro : Test system: Mammalian-Human  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: positive  
GLP: yes

Test system: Mammalian-Animal  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: yes

Genotoxicity in vivo : Species: Mammalian-Animal  
Application Route: Oral  
Exposure time: 72 h  
Dose: 160 mg/kg  
Method: OECD Test Guideline 474  
Result: negative  
GLP: yes

Species: Mammalian-Animal  
Application Route: Oral  
Exposure time: 4 d  
Method: OECD Test Guideline 486  
Result: negative  
GLP: yes

#### **Carcinogenicity**

Not classified based on available information.

### Components:

#### **bronopol (INN):**

Species: Rat, (male and female)  
Application Route: Oral  
Exposure time: 104 weeks  
Dose: 7 mg/kg body weight  
Result: negative

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**IARC**      No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**      No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**      No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

Not classified based on available information.

#### Components:

##### **bronopol (INN):**

Effects on fertility      :    Species: Rat, male and female  
Application Route: Oral  
Duration of Single Treatment: 19 Weeks  
General Toxicity Parent: NOAEL: > 40 mg/kg body weight  
General Toxicity F1: NOAEL: > 40 mg/kg body weight  
Method: OECD Test Guideline 415

### STOT-single exposure

May cause respiratory irritation.

#### Components:

##### **bronopol (INN):**

Routes of exposure: Inhalation  
Assessment: May cause respiratory irritation.

### STOT-repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### **bronopol (INN):**

Toxicity to fish      :    LC50 (Lepomis macrochirus (Bluegill sunfish)): 11 mg/l

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Exposure time: 96 h  
Method: EPA OPP 72-1 (Fish Acute Toxicity Test)  
GLP: yes  
Remarks: Fresh water

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.08 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes  
Remarks: Fresh water

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (microalgae)): 0.25 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
GLP: yes  
Remarks: Fresh water

NOEC (Pseudokirchneriella subcapitata (microalgae)): 0.03 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
GLP: yes  
Remarks: Fresh water

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.06 mg/l  
Exposure time: 21 Days  
Method: OECD Test Guideline 211  
GLP: yes  
Remarks: Fresh water

### Persistence and degradability

#### Components:

##### **bronopol (INN):**

Biodegradability : aerobic  
Result: Readily biodegradable.  
Biodegradation: 51 - 57 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: yes

### Bioaccumulative potential

#### Components:

##### **bronopol (INN):**

Bioaccumulation : Bioconcentration factor (BCF): 3.16

Partition coefficient: n-octanol/water : log Pow: -0.42  
Method: calculated

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### Mobility in soil

#### Components:

#### **bronopol (INN):**

Distribution among environmental compartments : Koc: 5

#### **Other adverse effects**

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Disposal methods : The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Empty containers retain product residue; observe all precautions for product. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14. TRANSPORT INFORMATION

### Domestic regulation

#### **DOT**

UN/ID/NA number : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (2-BROMO-2-NITROPROPANE-1,3-DIOL)  
Class : 9  
Packing group : III  
Labels : 9



Marine pollutant : yes



Further information for : The U.S. DOT regulations in 49 CFR 172.102 permit this ma-

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transport

terial to ship as an Environmentally Hazardous Substance, Class 9, using Special Provision 146.

### International Regulations

#### IATA-DGR

UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(2-BROMO-2-NITROPROPANE-1,3-DIOL)  
Class : 9  
Packing group : III  
Labels : 9



Packing instruction (cargo aircraft) : 964: 450.00 L  
Packing instruction (passenger aircraft) : 964: 450.00 L  
Environmentally hazardous : yes



#### IMDG-Code

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(2-BROMO-2-NITROPROPANE-1,3-DIOL)  
Class : 9  
Packing group : III  
Labels : 9



Marine pollutant : yes



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

Not applicable for product as supplied.

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### SECTION 15. REGULATORY INFORMATION

#### CERCLA

None

#### Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

#### SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### US State Regulations

##### Massachusetts Right To Know

bronopol (INN)	52-51-7	>= 30 - < 50
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##### Pennsylvania Right To Know

Polyethylene glycol	25322-68-3	> 1
bronopol (INN)	52-51-7	>= 30 - < 50
water	7732-18-5	> 1

##### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

#### TSCA inventory

TSCA : This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

#### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

#### FIFRA

EPA Registration Number : 39967-64

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal Word : DANGER

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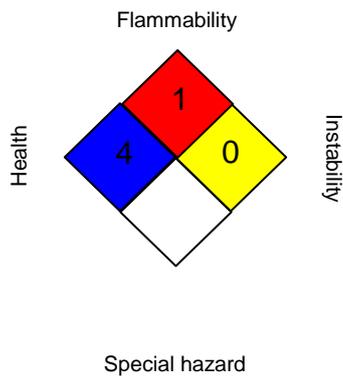
Hazard Statements : Corrosive Causes irreversible eye damage. Harmful if swallowed. May be fatal if inhaled.

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### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA:



##### HMIS® IV:

HEALTH	/	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

Revision Date : 04/13/2020

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of our knowledge. The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. We assume no legal responsibility for use of or reliance upon the information in this SDS.