



## SAFETY DATA SHEET

### Bellacide® 300

#### 1. Identification

##### Product identifier

**Product name** Bellacide® 300  
**Product number** 101509, 1006423, 1006399

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

**Application** Biocides for water treatment.  
**Uses advised against** Industrial Use Only

##### RECOMMENDED USE:

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

**Supplier** BWA Water Additives US LLC, a Company of Italmatch Chemicals Group  
 5544 Oakdale Road SE  
 Smyrna, GA 30082  
 T: 1-800 600-4523  
 (Technical/commercial enquiries)  
 E: MSDS@wateradditives.com

##### Emergency telephone number

**Emergency telephone** Chemtrec Phone: 1-800-424-9300

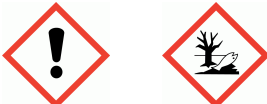
#### 2. Hazard(s) identification

##### Classification of the substance or mixture

**Physical hazards** Not Classified  
**Health hazards** Acute Tox. 4 - H332 Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

##### Label elements

##### Hazard symbols



##### Signal word

Warning

##### Hazard statements

H317 May cause an allergic skin reaction.  
 H332 Harmful if inhaled.  
 H410 Very toxic to aquatic life with long lasting effects.



## Bellacide® 300

<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Rinse mouth thoroughly with water. Get medical attention immediately.
<b>Skin Contact</b>	Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

<b>Inhalation</b>	Congestion of the lungs may occur, producing severe shortness of breath.
<b>Ingestion</b>	May cause chemical burns in mouth and throat. Nausea, vomiting.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
<b>Eye contact</b>	May cause blurred vision and serious eye damage.

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

<b>Notes for the doctor</b>	Probable mucosal damage may contraindicate the use of gastric lavage.
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## 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder.
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### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Oxides of the following substances: Phosphorus. Chlorine. No unusual fire or explosion hazards noted.
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### Advice for firefighters

<b>Protective actions during firefighting</b>	Move containers from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Leave danger zone immediately.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Follow precautions for safe handling described in this safety data sheet. For personal protection, see Section 8.
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### Environmental precautions

<b>Environmental precautions</b>	Avoid release to the environment. To prevent release, place container with damaged side up.
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### Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Containers with collected spillage must be properly labeled with correct contents and hazard symbol. Product is toxic to aquatic organisms. Minimise/prevent product from entering drains or water courses
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## Bellacide® 300

**Reference to other sections** For waste disposal, see section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Avoid the formation of mists. Good personal hygiene procedures should be implemented.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in a tightly-closed, original container in a dry, cool, and well-ventilated place. Store at temperatures not exceeding 50°C /122°F. Protect from freezing and direct sunlight. If frozen: once thawed, agitate container vigorously to ensure the product is homogeneous. Store away from the following materials; alkalis, acids, cyanides, reducing agents, oxidizing materials and aluminum. Do not use containers made of Carbon steel. Keep separate from food, feeds, fertilizers, and other sensitive materials.

**Storage class** Miscellaneous hazardous material storage.

#### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure controls/Personal protection

**Ingredient comments** No exposure limits known for ingredient(s).

#### Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapors.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Full face visor or shield.

#### Hand protection

Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC). Selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

#### Hygiene measures

Provide eyewash station and safety shower. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

#### Respiratory protection

If exposure to spray, mist or vapours is possible wear respirator face mask with appropriate cartridge. A respiratory protection programme that meets OSHA 1910.134 and ANZI Z88.2 requirements must be followed whenever work place conditions warrant a respirator's use.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

**Appearance** Clear liquid.

**Bellacide® 300**

<b>Color</b>	Colorless.
<b>Odor</b>	Slight.
<b>Odor threshold</b>	Not available. Not available.
<b>pH</b>	pH (concentrated solution): 5.0 - 7.0
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Boiling Point:</b>	
<b>Freezing Point:</b>	
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	0.985 - 1.005 @ 20°C
<b>Solubility(ies)</b>	Miscible with water.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	1.40 - 1.60 cSt @ 20°C
<b>Explosive properties</b>	Scientifically unjustified.
<b>Oxidizing properties</b>	Does not meet the criteria for classification as oxidizing.
<b>Other information</b>	Not available.

**10. Stability and reactivity**

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	Will not polymerize.
<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
<b>Hazardous decomposition products</b>	Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Chlorine. Oxides of the following substances: Phosphorus.

**11. Toxicological information****Information on toxicological effects****Acute toxicity - oral**

**Bellacide® 300**

<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	2,000.0
<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	17,985.61
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	2,000.0
<b>Species</b>	Rat
<b><u>Acute toxicity - inhalation</u></b>	
<b>Species</b>	Rat
<b>ATE inhalation (gases ppm)</b>	3,534.4
<b>ATE inhalation (vapours mg/l)</b>	17.36
<b>ATE inhalation (dusts/mists mg/l)</b>	1.75
<b>Inhalation</b>	Harmful by inhalation.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin Contact</b>	Non Irritant. May cause sensitisation by skin contact.
<b>Eye contact</b>	Irritation, burning, lachrymation, blurred vision after liquid splash.
<b>Route of exposure</b>	Inhalation

**12. Ecological information**

<b>Ecotoxicity</b>	The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
<b><u>Acute aquatic toxicity</u></b>	
<b>Acute toxicity - fish</b>	Not available.
<b>Acute toxicity - aquatic invertebrates</b>	Not available.
<b>Acute toxicity - aquatic plants</b>	Not available.
<b><u>Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	There are no data on the degradability of this product.
<b><u>Bioaccumulative potential</u></b>	
<b>Bio-Accumulative Potential</b>	The product does not contain any substances expected to be bioaccumulating.
<b>Partition coefficient</b>	Not available.
<b><u>Mobility in soil</u></b>	
<b>Mobility</b>	The product is miscible with water. May spread in water systems.
<b><u>Other adverse effects</u></b>	
<b>Other adverse effects</b>	Not available.

**13. Disposal considerations**

## Bellacide® 300

### Waste treatment methods

#### General information

When handling waste, the safety precautions applying to handling of the product should be considered.

#### Disposal methods

Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Liquid material should be incinerated. Material absorbed onto sand or earth should be disposed of as solid waste in accordance with local regulations. Empty packaging may contain product residues and due consideration should be given prior to disposal.

### 14. Transport information

#### UN Number

UN No. (TDG) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

UN No. (DOT) 3082

#### UN proper shipping name

**Proper shipping name (TDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Contains tributyltetradecylphosphonium chloride) Marine Pollutant

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Contains tributyltetradecylphosphonium chloride) Marine Pollutant

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Contains tributyltetradecylphosphonium chloride) Marine Pollutant

**Proper shipping name (DOT)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Contains tributyltetradecylphosphonium chloride) Marine Pollutant

#### Transport hazard class(es)

TDG class 9

TDG label(s) 9

IMDG Class 9

ICAO class/division 9

#### Transport labels



#### Packing group

TDG Packing Group III

IMDG packing group III

ICAO packing group III

DOT packing group III

#### Environmental hazards

## Bellacide® 300

### Environmentally Hazardous Substance



#### Special precautions for user

**EmS** F-A, S-B

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

**Classification Code (Adr)** M6

### 15. Regulatory information

**Regulatory Status** 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: DANGER Avoid contact with eyes, skin and clothing.

**Regulatory References** SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.  
PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required.  
29 CFR 1910.1010 Federal Regulations (OSHA Standard). This Product is Hazardous under the OSHA Hazard Communication Standard.

#### US Federal Regulations

##### **SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None of the ingredients are listed.

##### **CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

None of the ingredients are listed.

##### **SARA 313 Emission Reporting**

None of the ingredients are listed.

##### **CAA Accidental Release Prevention**

None of the ingredients are listed.

##### **FDA - Essential Chemical**

None of the ingredients are listed.

##### **FDA - Precursor Chemical**

None of the ingredients are listed.

#### US State Regulations

##### **California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed.

##### **California Air Toxics "Hot Spots" (A-I)**

None of the ingredients are listed.



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### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

### Massachusetts "Right To Know" List

None of the ingredients are listed.

### Rhode Island "Right To Know" List

None of the ingredients are listed.

### Minnesota "Right To Know" List

None of the ingredients are listed.

### New Jersey "Right To Know" List

None of the ingredients are listed.

### Pennsylvania "Right To Know" List

None of the ingredients are listed.

### Inventories

#### EU - EINECS/ELINCS

All the ingredients are listed or exempt.

#### Canada - DSL/NDSL

All the ingredients are listed or exempt.

#### US - TSCA

All the ingredients are listed or exempt.

#### US - TSCA 12(b) Export Notification

None of the ingredients are listed.

#### Australia - AICS

All the ingredients are listed or exempt.

Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylenedichloride] (WSCP) listed under CAS 31075-24-8

#### Japan - ENCS

The following ingredients are listed:

*Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylenedichloride]*

#### JAPAN- IHSL

#### Japan MITI

#### Korea - KECI

All the ingredients are listed or exempt.

#### China - IECSC

All the ingredients are listed or exempt.

#### Philippines - PICCS

The following ingredients are listed:

*TRIBUTYL TETRADECYL PHOSPHONIUM CHLORIDE*

#### New Zealand - NZIOC

All the ingredients are listed or exempt.

### 16. Other information

## Bellacide® 300

<b>General information</b>	For advice on chemical emergencies, spillages, fires or first aid in relation to this product please contact the relevant emergency number below : EU/English Speakers - +44 (0) 1235 239 670 (NCEC) Arabic Speakers - +44 (0) 1235 239 671 Asia/Pacific countries - +65 3158 1074 For emergencies within China - +86 10 5100 3039
<b>Revision comments</b>	Updated SDS, no substantial changes.
<b>Issued by</b>	Italmatch Chemicals GB, +44(0)1618646699
<b>Revision date</b>	3/23/2020
<b>Revision</b>	3.2
<b>Supersedes date</b>	7/27/2018
<b>SDS No.</b>	11572
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H332 Harmful if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
<b>NFPA - health hazard</b>	Temporary incapacitation, injury. (2)
<b>NFPA - flammability hazard</b>	Will not burn. (0)
<b>NFPA - instability hazard</b>	Normally stable. (0)
<b>NFPA - special hazard</b>	N/A
<b>ACA HMIS Health rating.</b>	Moderate Hazard. (2)
<b>ACA HMIS Flammability rating.</b>	Will not burn. (0)
<b>ACA HMIS Physical hazard rating.</b>	Normally stable. (0)
<b>ACA HMIS Personal protection rating.</b>	D

For safety reasons it is IMPERATIVE that customers:-

1. Ensure that all those within their control who use the products are supplied with all relevant information contained within the Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions and warnings contained therein.
2. Consult BWA Water Additives before using or supplying the product for any other applications. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.