



SAFETY DATA SHEET

Bellacide ® 325

1. Identification

Product identifier

Product name Bellacide ® 325

Chemical name Aqueous dispersion of tertbutylazine

Product number 100137, 101415, 100301, 100302, 100426, 100428, 100429, 101414, 421392, 421155, 421156, 421476

Recommended use of the chemical and restrictions on use

Application Biocides for water treatment.

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 USA
T: 1-800-600-4523
(Technical/commercial enquiries)
E: MSDS@wateradditives.com

Emergency telephone number

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

National emergency telephone number For Medical Emergency: 1-303-623-5716
For Transport Emergency: 1-800-424-9300 (CHEMTREC)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Label elements

Hazard symbols



Signal word Warning

Hazard statements H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/ container in accordance with national regulations.

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3. Composition/information on ingredients

Mixtures

N2-tert-BUTYL-6-CHLORO-N4-ETHYL-1,3,5-TRIAZINE-2,4-DIAMINE		1-5%
CAS number: 5915-41-3		
M factor (Acute) = 10		M factor (Chronic) = 10
Classification Acute Tox. 4 - H302 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		

The full text for all hazard statements is displayed in Section 16.

Composition comments 4% aqueous dispersion of 2-(t-butylamino)-4-chloro-6-(ethylamino)-s-triazine in water

4. First-aid measures

Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	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 if any discomfort continues.
Skin Contact	Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
Eye contact	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 promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed

Inhalation	Upper respiratory irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause temporary eye irritation.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with the following media: Water spray, foam, dry powder or carbon dioxide.
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Special hazards arising from the substance or mixture

Specific hazards	Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx). No unusual fire or explosion hazards noted.
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Advice for firefighters

Protective actions during firefighting

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.

Special protective equipment for firefighters

Leave danger zone immediately. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Follow precautions for safe handling described in this safety data sheet. For personal protection, see Section 8.

Environmental precautions

Environmental precautions

Avoid release to the environment. To prevent release, place container with damaged side up.

Methods and material for containment and cleaning up

Methods for cleaning up

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 has herbicidal properties. Minimise/prevent product from contacting soils or desirable plants.

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. 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

Unspecified 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



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Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Wear protective gloves made of the following material: Selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC). It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear apron or protective clothing in case of contact.
Hygiene measures	Provide eyewash station. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Aqueous dispersion
Color	White/off-white.
Odor	Slight.
Odor threshold	Not available. Not available.
pH	pH (concentrated solution): 6 - 9
Melting point	Not available.
Initial boiling point and range	100-101°C @
Boiling Point:	
Freezing Point:	
Flash point	Not available.
Evaporation rate	Not available.
Evaporation factor	Not available.
Upper/lower flammability or explosive limits	Not applicable.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.95 - 1.05 @ @ 20°C
Solubility(ies)	Miscible with water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Viscosity	400-1000 cP @ 20°C
Explosive properties	Scientifically unjustified.
Oxidizing properties	Does not meet the criteria for classification as oxidizing.

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Other information Not available.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Strong acids. Strong alkalis.
Hazardous decomposition products	Toxic gases/vapors/fumes of: Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x).

11. Toxicological informationInformation on toxicological effectsAcute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin Contact Non Irritant. Not a Skin Sensitiser

Eye contact Non irritant.

Acute and chronic health hazards No specific health hazards known.

Route of exposure Skin and/or eye contact Ingestion. Inhalation

12. Ecological information

Ecotoxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: > 90 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC₅₀, 96 hours: > 190 mg/l, Lepomis macrochirus (Bluegill)
LC₅₀, 96 hours: >90 Rainbow Trout; >1690 Carp; >190 Bluegill mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 985 mg/l, Daphnia magna
EC₅₀, 48 hours: 985 mg/l, Daphnia magna

Acute toxicity - aquatic plants TBZ
EC₅₀, 96 hours: 0.018 mg/l, Microcystis aeruginosa

Persistence and degradability

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Persistence and degradability	Not inherently biodegradable
Chemical oxygen demand	0.1 g O ₂ /g substance
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Not available.
<u>Mobility in soil</u>	
Mobility	The product is miscible with water. May spread in water systems.
<u>Other adverse effects</u>	
Other adverse effects	Not available.

13. Disposal considerations**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. Material should be incinerated or otherwise 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. (International)	3082
UN No. (TDG)	UN3082
UN No. (IMDG)	UN3082
UN No. (ICAO)	UN3082
UN No. (DOT)	UN3082

UN proper shipping name

Proper shipping name (International)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Terbutylazine) 9, PG III, Marine Pollutant
Proper shipping name (TDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Terbutylazine) 9, PG III, Marine Pollutant
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Terbutylazine) 9, PG III, Marine Pollutant
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Terbutylazine) 9, PG III, Marine Pollutant
Proper shipping name (DOT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Terbutylazine) 9, PG III, Marine Pollutant

Transport hazard class(es)

Transport Labels (International)	9
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Bellacide ® 325**Transport labels****Packing group****Packing group (International)** III**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. EPA Signal word: Caution. 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.

US State Regulations**California Proposition 65 Carcinogens and Reproductive Toxins**

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

Bellacide ® 325**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.

Australia - AICS

All the ingredients are listed or exempt.

Japan - ENCS

All the ingredients are listed or exempt.

JAPAN- IHSL**Japan MITI****Korea - KECI**

All the ingredients are listed or exempt.

China - IECSC

All the ingredients are listed or exempt.

Philippines - PICCS

All the ingredients are listed or exempt.

16. Other information

General information	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
Revision comments	Updated SDS, no substantial changes.
Issued by	Italmatch Chemicals GB, +44(0)1618646699
Revision date	3/25/2020
Revision	7.2
Supersedes date	1/28/2020
SDS No.	11263
Hazard statements in full	H302 Harmful if swallowed. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
NFPA - health hazard	Irritation, minor residual injury. (1)
NFPA - flammability hazard	Burns only if pre-heated. (1)
NFPA - instability hazard	Normally stable. (0)
NFPA - special hazard	N/A
ACA HMIS Health rating.	Slight Hazard. (1)

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ACA HMIS Flammability rating. Burns only if pre-heated. (1)

ACA HMIS Physical hazard rating. Normally stable. (0)

ACA HMIS Personal protection rating. J

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.