

Safety Data Sheet

Issue Date: 22-Feb-2018

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Version 1

1. IDENTIFICATION

Product Identifier**Product Name** Biotab7 End Use**Other means of identification****SDS #** ABT-002**Recommended use of the chemical and restrictions on use**

Recommended Use

- Medical Grade Hard Surface Disinfectant
- Swimming Pool and Spa
- Kill Odor, Mildew, Mold, Fungus
- Municipal Water/Wastewater Treatment
- Industrial Process Water
- Sanitize Food and Industrial Processing Equipment and Facilities
- Disinfect Farm and Agricultural Equipment and Facilities Fruit and Vegetable Rinse

Details of the supplier of the safety data sheet**Supplier Address**

Advanced Biocide Technologies Inc.
599 Sawgrass Corporate Parkway
Sunrise, FL 33325

Emergency Telephone Number

Company Phone Number 1-800-791-7422
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Emergency Overview Biotab7 is a 1 gram (0.035 oz) or 20 gram (0.71 oz) tablet comprised of 20% Sodium Chlorite Technical 80 PCT as the known active with the remaining inert ingredients acting as desiccants, effervescent agents, stabilizers, binders, and pelleting auxiliary agents as necessary. In its end use form, Biotab7 is diluted to 1-500ppm and therefore is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Appearance Tablet dissolved into water**Physical state** Liquid**Odor** Slight chlorine**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight-% |
|---------------|-------------|----------|
| Biotab7 | Proprietary | 1-500ppm |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First Aid Measures****General Advice**

The following first aid information applies to an exposure of Biotab7 before dilution. Adverse reaction to the end use product is not expected. When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye Contact

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Ingestion

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects**Symptoms**

Prior to dilution, Biotab7 is corrosive to the skin, eyes, and respiratory tract. Adverse reaction to the end use product is not expected.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Probable mucosal damage may contraindicate the use of gastric lavage if undiluted Biotab7 is accidentally ingested.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical

None known.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Biotab7 End Use dilutions do not require personal protective equipment, however wet floors due to spilled product may be slippery. Exercise caution during clean-up to avoid falls.

For Emergency Responders Follow all fire fighting procedures in Section 5.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Always be aware of product fumes during mixing. Do not inhale above open containers. Close container quick and tightly and store in cool, dark, well ventilated room. [Ask your supplier before opening package for dosage.]

1. Fill an opaque spray bottle or appropriate container with specified amount of tap water
2. Slowly add correct number of Tablets to Water. Do Not add water to tablets.
Tablet => Water
3. Wait 3 minutes, stir gently
4. Discard unused product after 8 hours [or as specified in Use Application Directions].

Conditions for safe storage, including any incompatibilities

Storage Conditions Biotab7 tablets should be stored in tightly sealed original container in a cool, dark, well-ventilated room. End Use dilutions should be discarded after 8 hours or as specified in Use Application Directions.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Biotab7 End Use dilutions are not known to contain any materials with established occupational exposure limits.

Appropriate engineering controls

Engineering Controls None under normal use conditions.

Individual protection measures, such as personal protective equipment

None under normal use conditions.

Eye/Face Protection

Skin and Body Protection None under normal use conditions.

Respiratory Protection None under normal use conditions.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|----------------|-----------------------------|----------------|-----------------|
| Physical state | Liquid | Odor | Slight chlorine |
| Appearance | Tablet dissolved into water | Odor Threshold | Not determined |
| Color | Clear | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------|----------------|-------------------------|
| pH | Not determined | |
| Melting point / freezing point | Not determined | |
| Boiling Point / Boiling Range | Not determined | |
| Flash Point | Not determined | |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Not determined | |
| Flammability Limit in Air | | |
| Upper Flammability Limit | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Relative Density | Not determined | |
| Water Solubility | Not determined | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Autoignition temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

| | |
|---------------------|--|
| Product Information | Biotab7 End Use dilutions do not present an acute toxicity hazard based on known or supplied information |
|---------------------|--|

| | |
|---------------------|--|
| Eye Contact | Not expected to be an eye irritant during prescribed use. |
| Skin Contact | Not expected to be a skin irritant during prescribed use. |
| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Ingestion | Not expected to present a hazard by ingestion during prescribed use. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|--------------------|-------------|-----------------|
| Biotab7 | > 90 mL/kg (Rat) | - | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not applicable due to form of the product.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

| | |
|-------------------------------|---|
| Disposal of Wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

14. TRANSPORT INFORMATION

| | |
|-------------|---|
| Note | Biotab7 End Use dilutions are not intended to be transported. |
| DOT | Not applicable |
| IATA | Not applicable |
| IMDG | Not applicable |

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL/NDSL | EINECS/E LINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------|------|----------|-------------------|------|-------|---------|-------|------|
| Biotab7 | X | X | X | X | X | Present | X | X |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| NFPA | Health Hazards | Flammability | Instability | Special Hazards |
| | 0 | 0 | 0 | None |
| HMIS | Health Hazards | Flammability | Physical hazards | Personal Protection |
| | 0 | 0 | 0 | See Section 8 |

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Revision Note: End use safety information

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet