

# Advanced BioTech

Developer of MultiFIX™ and BioWorld Products™

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## MATERIAL SAFETY DATA SHEET

### BioWorld Odor Neutralizer BON-DSA-49

#### 1: Company Identification

Advanced BioTech  
8244 W Hillsdale Ct  
Visalia, CA 93290-7899  
(559)651-5050  
(559)583-9041 Fax  
www.adbio.com

#### 2: Hazard Identification

*Potential Health Effects:*

*Eye* - Maximum mean irritation score of 4.0/110.0 in unwashed eyes, classifying the product in Toxicity Category III

*Skin* - Toxicity Category IV for Skin Effects

*Ingestion* - Toxicity Category IV for Oral LD50

*Inhalation* - Toxicity Category IV for Inhalation LC50. In extremely rare conditions, individuals with asthma or severe allergies should avoid direct inhalation of product mist or fog.

EPA-FIFRA Irritation Test Toxicity Ratings:

Category I – Danger – Corrosive (irreversible destruction of ocular tissue) or corneal involvement of irritation persisting for more than 21 days

Category II – Warning – Corneal involvement of irritation clearing in 21 days or less

Category III – Caution – Corneal involvement of irritation clearing in 7 days or less

Category IV – Caution – Minimal effects clearing in less than 24 hours

*Chronic (Cancer) Information* - unlikely to present a cancer hazard to humans.

#### 3: Composition / Information On Ingredients

100% Natural Formulation including Esters, Process Extracts, Product Stabilizers, Odor Neutralizers and H<sub>2</sub>O.

#### 4: First Aid Measures

*Inhalation* - Seek fresh air location. If breathing is difficult, look for primary cause of breathing problem. (BON is non-toxic) Oxygen may be given, preferably with a physician's advice. If not breathing, give mouth-to-mouth artificial respiration. Get medical attention.

*Skin or Eye Contact* - No known effects. In extremely rare cases, wash with running water.

*Ingestion* - General precautionary measures suggest giving several glasses of water. Do not give anything to an unconscious or convulsing person. Contact physician if condition persists.

#### 5: Fire Fighting Measures

Non-flammable

Extinguishing Media - Use media proper for primary cause of fire.

#### 6: Accidental Release Measures

*Safeguards* - Review fire-fighting measures and handling personnel sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up.

Contain spill. Flush spill area with water. Mop up or vacuum. Dispose of liquid waste according to Federal, State and local regulations.

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## 7: Handling and Storage

*Handling* - No known effects.

*Storage* - Avoid storing below 32°F or above 120°F. Keep container sealed. May be stored outside.

## 8: Exposure Control / Personal Protection

*Engineering Controls* - Use adequate ventilation to keep employee exposure to airborne concentrations below exposure limits.

*Personal Protective Equipment* - May wear rubber gloves if desired. In routine operation, no respiratory protection is needed with good ventilation. Use NIOSH approved respirator if adequate ventilation cannot be provided.

*Other Precautions* - Avoid deodorizing enclosed environments where flammable/explosive (natural gas, LPG methane, petroleum fuels), toxic and carcinogenic substances are or could be present. Do not use BON with toxic or dangerous materials where odor from such materials is the only warning of their presence.

## 9: Physical and Chemical Properties

Boiling Point - 212°F / 100°C

Solubility in Water - 100%

Evaporation Rate - N/A

pH Range - 6 to 8

Vapor Pressure - Not volatile

Specific Gravity - 1.0028

Water Reactive - No

Appearance and Odor - Cloudy White with Fresh Scent

Vapor Density - N/A

Melting Point - N/A

Freezing Point - 14°F / -10°C

## 10: Stability and Reactivity

*Chemical Stability* - Stable

*Incompatibility with Other Materials* - Incompatible with strong oxidizing compounds or reducing agents

*Polymerization* - Will not occur.

## 11: Toxicological Information

Mixture not tested but, based on components, may cause slight irritation to mucous membranes, sneezing or watery eyes. None of the components of this material are listed by IARC, NTP, OSHA or ACGIH as carcinogens.

## 12: Ecological Information

Biodegradable, non-toxic, non-hazardous, non-corrosive, non-pathogenic.

## 13: Disposal Considerations

*Waste Disposal* - Treatment, storage, transportation and disposal must be in accordance with applicable federal, state/provincial, and local regulations. Can pour into sewer system or applied to open field.

## 14: Transport Information

*Shipping* - Class 55

Oxidizer - No

Corrosive - No

UN # - N/R

Poison - No

DOT Label - N/R

Flammable - No

## 15: Regulatory Information

Not classified as hazardous to users or for transport.

US Federal Regulations - CERCLA and SARA Regulations (40 CFR 355, 370 and 3372); Does not contain any chemicals subject to the reporting requirements of SARA 313.

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## 16: Other Information

*NPCA-HMIS Rating*

Health - 0

Flammability - 0

Reactivity - 0

Personal protection rating to be supplied by user depending on use conditions.

State Right-to-Know Laws - No substances on the state hazardous substances list are used in the manufacture of products on this Material Safety Data Sheet. While we have not specifically analyzed these products, the raw materials used in their manufacture, to the best of our knowledge, the products on this MSDS contain no such substances except for those specifically listed.

*Warning* - Substances known to the state of California to cause cancer, birth defects or other reproductive harm do not exist in the product.

The information is furnished gratuitously, independent of any sale, and for your independent verification. Although we believe the data to be correct as of the date indicated, we make no representation as to the accuracy and such information may not be valid when the product is used in any process or combined with other materials. No representations, guarantees, or warranty, either expressed, implied, or of any nature, are made with respect to the product or date provided.