

# BIOLUBE® ADVANCED AUTO-CLEAN

## SOUTHLAND DISTRIBUTION & SALES

### Safety Data Sheet

Revision date: 12 April 2018  
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Version: Rev 2

#### 1. Product and Company Identification

##### 1.1 Product identifiers

Product Name **BIOLUBE® ADVANCED AUTO-CLEAN**  
Producer Southland Distribution & Sales  
Product Number n/a  
CAS-No. n/a

##### 1.2 Identified uses of the product and uses advised against

Identified Uses For use in automated dental handpiece maintenance systems

##### 1.3 Details of the chemical supplier

Company Southland Distribution & Sales  
Address 4003 Enterprise Court  
Augusta, GA 30907  
USA  
Telephone: 800-880-0240

##### 1.4 Emergency phone number

Emergency phone number 800-880-0240 (Emergency Telephone, 24 hrs-a-day / 7 days-a-week)

#### 2. Hazards Identification

##### 2.1 Classification of the substance or mixture according to GHS

GHS class Not a hazardous substance or mixture

##### 2.2 GHS Label elements, including precautionary statements

GHS pictograms



Signal word Warning

Hazard statements H316 Causes mild skin irritation.  
H336 May cause drowsiness or dizziness.

Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/ container to an approved waste disposal plant.

##### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

none

#### 3. Composition/Information on Ingredients

##### 3.1 Product mixture

Synonyms n/a  
Formula n/a

Molecular wt	n/a
CAS-No.	n/a
EC-No.	n/a

Chemical Name	CAS-No.	EC-No.	Ingredient Percent
Water	7732-18-5	231-791-2	60%
Tetrahydrofurfuryl Alcohol	97-99-4	202-625-6	20%
2,6,8-Trimethyl-4-Nonyloxypolyethyleneoxyethanol	60828-78-6	n/a	20%

Remarks There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.

## 4. First Aid Measures

### 4.1 Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin contact	Immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Seek immediate medical attention/advice.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Inhalation	In case of difficult breathing, move victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention/advice.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Get medical attention immediately if symptoms occur.

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

Symptoms and effects	The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.
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### 4.3 Indication of any immediate medical attention and special treatment needed

Other first aid	No data available
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## 5. Fire Fighting Measures

### 5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Use alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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### 5.2 Special hazards arising from the substance or mixture

Special hazards	Low Hazard. Product is non-flammable at ambient temperature. Liquid may burn at temperatures near the boiling point.
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### 5.3 Advice for firefighters

Protective equipment	Wear full protective clothing and self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode.
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## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions	Avoid contact with skin and eyes. Avoid breathing vapors, mist or dust. Ensure adequate ventilation in areas where dust or vapors can accumulate. Remove all sources of ignition and evacuate personnel to safe areas. Dust and vapors can accumulate in low areas when dealing with large quantities. For personal protection see section 8.
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### 6.2 Environmental precautions

Environmental precautions	In case of large spills, dike spill to prevent runoff into sewers and drains. Recover as much of the material as possible. Prevent further leakage if safe to do so.
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### 6.3 Methods and materials for containment and cleaning up

Methods for cleanup Move containers from spill area. Neutralize with alkaline material. Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Following product clean up, flush area with water.

#### 6.4 References to other sections

Other references For disposal see section 13.

## 7. Handling and Storage

### 7.1 General hygiene considerations

General hygiene Wash hands after use. Avoid contact with skin and eyes. Avoid inhalation of vapor or dust. In case of large quantities of vapor or mist, use local exhaust or general dilution ventilation to control exposure and dust within applicable limits. Keep away from high temperatures and sources of ignition. For precautions see section 2.2.

### 7.2 Precautions for safe handling

Safe handling precautions Keep container tightly closed in a dry and well-ventilated place. Keep away from any source of heat or ignition. Keep away from incompatible substances.

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

Other storage conditions Store product in a dry environment, away from strong bases and oxidizers. Store at room temperature. Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. Exposure Controls/Personal Protection

### 8.1 Control and exposure limits recommended by the chemical manufacturer

OSHA standards Not available - not determined  
ACGIH TLV Not available - not determined  
NIOSH recommendations Not available - not determined

### 8.2 Appropriate engineering controls

Engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of day. Use adequate ventilation where dust forms to keep concentration under exposure control limits. Keep away from high temperatures and sources of ignition.

### 8.3 Individual protection measures, such as personal protective equipment

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/face protection Safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hand protection Handle with chemical resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

a) Appearance Clear liquid  
b) Odor Fragrant odor  
c) Odor threshold No data available  
d) pH No data available  
e) Melting/freezing point No data available  
f) Boiling point No data available  
g) Flash point >176°C (349°F)  
h) Evaporation rate No data available  
i) Flammability (solid, gas) No data available  
j) Upper/lower flammability or explosive limits Upper (UEL): No data available  
Lower (LEL): No data available

k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	0.91 ± 0.02grams/cc @ 21 °C
n) Water solubility	Completely miscible in water
o) Partition coefficient octanol/water	No data available
p) Auto-ignition temp	>360°C (680°F)
q) Decomposition temp	No data available
r) Viscosity	No data available

## 10. Stability and Reactivity

### 10.1 Reactivity

Reactivity Nil

### 10.2 Chemical stability

Chemical stability Stable under ordinary conditions of use and storage.

### 10.3 Possibility of hazardous reactions

Hazardous reactions Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

Conditions to avoid None.

### 10.5 Incompatible materials

Incompatible materials Strong oxidizers agents.

### 10.6 Hazardous decomposition products

Hazardous products Carbon monoxide. In the event of fire, see section 5.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

Acute oral toxicity	No data available
Acute intravenous toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available

#### Skin corrosion/irritation

Skin corrosion irritation Prolonged contact may cause irritation to skin

#### Serious eye damage/eye irritation

Eye damage/eye irritation May cause irritation to eyes

#### Respiratory or skin sensitization

Respiratory sensitizer No inhalation dangers at room temperature.  
Skin sensitizer No data available

#### Germ cell mutagenicity

Mutagenicity No data available

#### Carcinogenicity

Carcinogenicity None

#### Suspected cancer agent

ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

#### Reproductive toxicity

Reproductive toxicity No data available

**Aspiration hazard**

Aspiration hazard No data available

## 12. Ecological Information

**12.1 Ecotoxicity (aquatic and terrestrial)**

Ecotoxicity No data available

**12.2 Persistence and degradability**

Degradability No data available

**12.3 Bioaccumulation potential**

Bioaccumulation No data available

**12.4 Mobility in soil**

Mobility in soil No data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment Not available as chemical safety assessment not required/not conducted.

## 13. Disposal Considerations

**13.1 Waste treatment methods**

Waste treatment disposal Disposal must be in accordance with appropriate Federal, State, and local regulations.

## 14. Transport Information

**DOT**

Not dangerous goods.

**IMDG**

Not dangerous goods.

**IATA**

Not dangerous goods.

## 15. Regulatory Information

**15.1 Safety, health, and environmental regulations specific to the product or mixture**

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	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.
SARA 311/312 Hazards	Acute health hazard.
TSCA	All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements.
Canada DSL	All components of this product are on the Canada Domestic Substance List or are exempt from DSL requirements.
WHMIS classification	No ingredients are hazardous according to the CPR criteria.
Hazard symbols	Xi
Risk phrases	R36/38; Irritating to eyes and skin
Safety phrases	S24/25; Avoid contact with skin and eyes S26; In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
CA Prop. 65 components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
International lists	Australia - AICS - The materials are listed or exempted Canada - The materials are listed or exempted China - IECSC - The materials are listed or exempted Europe - EINECS - The materials are listed or exempted Japan - ENCS/ISHL - The materials are listed or exempted Malaysia - The materials are listed or exempted New Zealand - NZIoC - The materials are listed or exempted Philippines - PICCS - The materials are listed or exempted

Korea - KECI - The materials are listed or exempted  
Taiwan - NECI - The materials are listed or exempted  
Turkey - The materials are listed or exempted  
United States - The materials are listed or exempted

## 16. Other Information

Revision Date 12 April 2018

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Southland Distribution & Sales assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Southland Distribution & Sales assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

**Abbreviations and acronyms**

- IMDG - International Maritime Code for Dangerous Goods
- IATA - International Air Transport Association
- GHS - Globally Harmonized System of Classification and Labelling of Chemicals
- PBT - Persistent, bioaccumulative and toxic assessment
- vPvB - Very persistent and very bioaccumulative assessment
- ACGIH - American Conference of Governmental Industrial Hygienists
- NIOSH - National Institute for Occupational Safety and Health
- TLV - Threshold Limit Values
- CAS - Chemical Abstracts Service (division of the American Chemical Society)
- NFPA - National Fire Protection Association
- HMIS - Hazardous Materials Identification System
- CFR - Code of Federal Regulations
- SARA - Superfund Amendments and Reauthorization Act
- DOT - US Department of Transportation
- EC50 - Half maximal effective concentration
- LD50 - Median lethal dose
- LC50 - Median lethal concentration
- SDS - Safety Data Sheet
- PEL - Permissible Exposure Limit
- TSCA - Toxic Substances Control Act