

## SAFETY DATA SHEET

**BOARDWALK® Antibacterial Foam Handwash**

Version 1.1

SDS Number: 400000000037

Revision Date: 10/17/2019

**SECTION 1. IDENTIFICATION**

Product name : BOARDWALK® Antibacterial Foam Handwash  
 Product code : BWK 8600; BWK 8300

**Manufacturer or supplier's details**

Company name of supplier : Essendant Inc.  
 Address : One Parkway North Blvd  
 Deerfield, Illinois 60015  
 Telephone : 1-844-828-5617  
 Emergency telephone number : 1-800-989-7487

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

Recommended use : Antibacterial Soap  
 Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Flammable liquids : Category 3  
 Serious eye damage : Category 1

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.  
 H318 Causes serious eye damage.

Precautionary statements : **Prevention:**  
 P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/

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equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear eye protection/ face protection.

### Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous components

| Chemical name            | CAS-No.    | Concentration (%) |
|--------------------------|------------|-------------------|
| Ethyl Alcohol            | 64-17-5    | >= 1 - < 5        |
| Ammonium Laureth Sulfate | 67762-19-0 | >= 1 - < 5        |
| Ammonium Lauryl Sulfate  | 2235-54-3  | >= 1 - < 5        |
| Propylene Glycol         | 57-55-6    | >= 1 - < 5        |
| Chloroxlylenol           | 88-04-0    | >= 0.1 - < 1      |

## SECTION 4. FIRST AID MEASURES

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Wash with water and soap as a precaution.  
Get medical attention if irritation develops and persists.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If easy to do, remove contact lens, if worn.  
Seek medical advice.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Rinse mouth with water.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : Causes serious eye damage.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing

## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or

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|   |   |
|---|---|
| Unsuitable extinguishing media                | : carbon dioxide.<br>: High volume water jet  |
| Specific hazards during firefighting          | : Do not use a solid water stream as it may scatter and spread fire.<br>Cool closed containers exposed to fire with water spray.<br>Flash back possible over considerable distance.<br>May form explosive mixtures in air.<br>Exposure to decomposition products may be a hazard to health.<br>Carbon oxides<br>Sulphur oxides<br>Nitrogen oxides (NOx) |
| Hazardous combustion products                 | : Carbon oxides<br>Sulphur oxides<br>Nitrogen oxides (NOx)  |
| Specific extinguishing methods                | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Use water spray to cool unopened containers.   |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.   |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus.<br>Use personal protective equipment.  |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

|   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Ensure adequate ventilation.<br>Remove all sources of ignition.<br>Evacuate personnel to safe areas.<br>Keep people away from and upwind of spill/leak.<br>Material can create slippery conditions.   |
| Environmental precautions   | : Discharge into the environment must be avoided.<br>Prevent further leakage or spillage if safe to do so.<br>Retain and dispose of contaminated wash water.<br>Local authorities should be advised if significant spillages cannot be contained.   |
| Methods and materials for containment and cleaning up               | : Non-sparking tools should be used.<br>Soak up with inert absorbent material.<br>Suppress (knock down) gases/vapours/mists with a water spray jet.<br>Keep in suitable, closed containers for disposal.<br>Clean contaminated floors and objects thoroughly while observing environmental regulations. |

### SECTION 7. HANDLING AND STORAGE

|                             |   |
|-----------------------------|---|
| Advice on safe handling     | : For personal protection see section 8.<br>Keep away from heat.<br>Use with local exhaust ventilation.<br>Avoid contact with eyes. |
| Conditions for safe storage | : Take measures to prevent the build up of electrostatic charge.  |

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Keep in properly labelled containers.  
 Keep containers tightly closed in a dry, cool and well-ventilated place.  
 Store in accordance with the particular national regulations.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

| Components       | CAS-No. | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|------------------|---------|----------------------------------|---|-----------|
| Ethyl Alcohol    | 64-17-5 | TWA                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | NIOSH REL |
|                  |         | TWA                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | OSHA Z-1  |
|                  |         | STEL                             | 1,000 ppm   | ACGIH     |
| Propylene Glycol | 57-55-6 | TWA                              | 10 mg/m <sup>3</sup>                              | US WEEL   |

**Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection  
 Remarks : No special protective equipment required.
- Eye protection : Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : No special measures necessary provided product is used correctly.
- Protective measures : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
 Ensure that eye flushing systems and safety showers are located close to the working place.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
 Avoid contact with eyes.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Colour : clear, translucent, yellow-orange, amber
- Odour : like fruit
- Odour Threshold : No data available
- pH : 4.5 - 8.5, (20 °C)
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : 83.00 °C
- Flash point : 59.89 °C
- Evaporation rate : No data available
- Flammability (solid, gas) : Not applicable
- Flammability (liquids) : Does not sustain combustion.
- Upper explosion limit : No data available

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|  |   |
|--|---|
| Lower explosion limit                  | : No data available   |
| Vapour pressure                        | : No data available   |
| Relative vapour density                | : No data available   |
| Density                                | : 0.9962 g/cm <sup>3</sup>                                  |
| Solubility(ies)                        |   |
| Water solubility                       | : soluble   |
| Partition coefficient: n-octanol/water | : Not applicable  |
| Auto-ignition temperature              | : No data available   |
| Thermal decomposition                  | : The substance or mixture is not classified self-reactive. |
| Viscosity                              |   |
| Viscosity, kinematic                   | : 10 - 20 mm <sup>2</sup> /s (20 °C)                        |
| Explosive properties                   | : Not explosive   |
| Oxidizing properties                   | : The substance or mixture is not classified as oxidizing.  |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | : Not classified as a reactivity hazard.         |
| Chemical stability                 | : Stable under normal conditions.                |
| Possibility of hazardous reactions | : Vapours may form explosive mixture with air.   |
| Conditions to avoid                | : Heat, flames and sparks.                       |
| Incompatible materials             | : Oxidizing agents                               |
| Hazardous decomposition products   | : No hazardous decomposition products are known. |

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

#### Components:

##### Ethyl Alcohol:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l

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Exposure time: 4 h  
Test atmosphere: vapour

### **Ammonium Laureth Sulfate:**

Acute oral toxicity : LD50 (Rat): 4,100 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Based on data from similar materials

### **Ammonium Lauryl Sulfate:**

Acute oral toxicity : LD50 (Rat): 2,000 mg/kg  
Method: EC Directive 92/69/EEC B.1 Acute Toxicity (Oral)  
Remarks: Based on data from similar materials

### **Propylene Glycol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rabbit): > 159 mg/l, > 51091 ppm  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

### **Chloroxylenol:**

Acute oral toxicity : Acute toxicity estimate : 500 mg/kg  
Method: Expert judgement  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

Acute inhalation toxicity : LC50 (Rat): > 6.29 mg/l  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

### **Skin corrosion/irritation**

Not classified based on available information.

### **Components:**

#### **Ethyl Alcohol:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

#### **Ammonium Laureth Sulfate:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Skin irritation  
Remarks: Based on data from similar materials

#### **Ammonium Lauryl Sulfate:**

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Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Skin irritation

### **Propylene Glycol:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

### **Chloroxylenol:**

Result: Skin irritation  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

### **Serious eye damage/eye irritation**

Causes serious eye damage.

### **Components:**

#### **Ethyl Alcohol:**

Species: Rabbit  
Result: Irritation to eyes, reversing within 21 days  
Method: OECD Test Guideline 405

#### **Ammonium Laureth Sulfate:**

Species: Rabbit  
Result: Irreversible effects on the eye  
Remarks: Based on data from similar materials

#### **Ammonium Lauryl Sulfate:**

Species: Rabbit  
Result: Irreversible effects on the eye  
Method: OECD Test Guideline 405

#### **Propylene Glycol:**

Species: Rabbit  
Result: No eye irritation  
Method: OECD Test Guideline 405

#### **Chloroxylenol:**

Result: Irreversible effects on the eye

### **Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.  
Respiratory sensitisation: Not classified based on available information.

### **Product:**

Result: Does not cause skin sensitisation.

### **Components:**

#### **Ethyl Alcohol:**

Test Type: Local lymph node assay (LLNA)  
Exposure routes: Skin contact  
Species: Mouse  
Result: negative

#### **Ammonium Laureth Sulfate:**

Test Type: Maximisation Test (GPMT)  
Exposure routes: Skin contact

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Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: negative  
Remarks: Based on data from similar materials

### **Ammonium Lauryl Sulfate:**

Test Type: Maximisation Test (GPMT)  
Exposure routes: Skin contact  
Species: Guinea pig  
Result: negative  
Remarks: Based on data from similar materials

### **Propylene Glycol:**

Test Type: Maximisation Test (GPMT)  
Exposure routes: Skin contact  
Species: Guinea pig  
Result: negative

### **Chloroxylenol:**

Assessment: Probability or evidence of skin sensitisation in humans  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **Ethyl Alcohol:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Result: negative

Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
Test species: Mouse  
Application Route: Ingestion  
Result: negative

#### **Ammonium Laureth Sulfate:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Method: OECD Test Guideline 471  
Result: negative  
Remarks: Based on data from similar materials

: Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative  
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Mutagenicity (in vivo mammalian bone-marrow  
cytogenetic test, chromosomal analysis)  
Test species: Mouse  
Application Route: Ingestion  
Method: OECD Test Guideline 475  
Result: negative  
Remarks: Based on data from similar materials

#### **Ammonium Lauryl Sulfate:**

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Result: negative  
Remarks: Based on data from similar materials



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Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Test species: Mouse  
Application Route: Ingestion  
Method: OECD Test Guideline 474  
Result: negative  
Remarks: Based on data from similar materials

**Propylene Glycol:**  
Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Test species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative

**Chloroxylenol:**  
Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

### **Carcinogenicity**

Not classified based on available information.

### **Components:**

#### **Ammonium Lauryl Sulfate:**

Species: Rat  
Application Route: Ingestion  
Exposure time: 2 Years  
Result: negative  
Remarks: Based on data from similar materials

#### **Propylene Glycol:**

Species: Rat  
Application Route: Ingestion  
Exposure time: 2 Years  
Result: negative

### **IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### **OSHA**

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

### **NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

#### **Ethyl Alcohol:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Mouse

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Application Route: Ingestion  
Method: OECD Test Guideline 416  
Result: negative

### **Ammonium Laureth Sulfate:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative  
Remarks: Based on data from similar materials

Effects on foetal development : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative  
Remarks: Based on data from similar materials

### **Ammonium Lauryl Sulfate:**

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative  
Remarks: Based on data from similar materials

### **Propylene Glycol:**

Effects on fertility : Species: Mouse  
Application Route: Ingestion  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Mouse  
Application Route: Ingestion  
Result: negative

### **STOT - single exposure**

Not classified based on available information.

### **STOT - repeated exposure**

Not classified based on available information.

### **Repeated dose toxicity**

#### **Components:**

#### **Ethyl Alcohol:**

Species: Rat  
NOAEL: 2,400 mg/kg  
Application Route: Ingestion  
Exposure time: 2 y

#### **Ammonium Laureth Sulfate:**

Species: Rat  
NOAEL: > 225 mg/kg  
Application Route: Ingestion  
Exposure time: 90 d  
Method: OECD Test Guideline 408  
Remarks: Based on data from similar materials

#### **Propylene Glycol:**

Species: Rat

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NOAEL: 1,700 mg/kg  
Application Route: Ingestion  
Exposure time: 2 y

### Chloroxylenol:

Species: Rabbit  
LOAEL: 180 mg/kg  
Application Route: Skin contact  
Exposure time: 90 d

### Aspiration toxicity

Not classified based on available information.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### **Ethyl Alcohol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates : NOEC (Daphnia magna (Water flea)): 9.6 mg/l  
Exposure time: 9 d

(Chronic toxicity)  
Toxicity to bacteria : EC50 (Photobacterium phosphoreum): 32.1 mg/l  
Exposure time: 0.25 h

#### **Ammonium Laureth Sulfate:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 7.1 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 7.4 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): 27.7 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

NOEC (Desmodesmus subspicatus (green algae)): 0.95 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.14 mg/l  
Exposure time: 28 d

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Method: OECD Test Guideline 204

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.27 mg/l  
Exposure time: 21 d  
Remarks: Based on data from similar materials

Toxicity to bacteria : EC10 (Pseudomonas putida): > 10 g/l  
Exposure time: 16 h  
Method: DIN 38 412 Part 8  
Remarks: Based on data from similar materials

**Ammonium Lauryl Sulfate:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3.6 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4.7 mg/l  
Exposure time: 48 h  
Method: Tested according to Directive 92/69/EEC.  
Remarks: Based on data from similar materials

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): > 20 mg/l  
Exposure time: 72 h  
Method: Directive 67/548/EEC, Annex V, C.3.  
Remarks: Based on data from similar materials

EC10 (Desmodesmus subspicatus (green algae)): 5.4 mg/l  
Exposure time: 72 h  
Method: Directive 67/548/EEC, Annex V, C.3.  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia Dubia (water flea)): 0.88 mg/l  
Exposure time: 7 d  
Remarks: Based on data from similar materials

Toxicity to bacteria : EC0 (Pseudomonas putida): 409 mg/l  
Exposure time: 16 h  
Method: DIN 38 412 Part 8  
Remarks: Based on data from similar materials

**Propylene Glycol:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 40,613 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia Dubia (water flea)): 18,340 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (Skeletonema costatum (marine diatom)): 19,000 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : Chronic Toxicity Value: 2,500 mg/l  
Exposure time: 30 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia Dubia (water flea)): 29,000 mg/l  
Exposure time: 7 d

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Toxicity to bacteria : NOEC (*Pseudomonas putida*): > 20,000 mg/l  
Exposure time: 18 h

### **Chloroxylenol:**

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 0.76 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 7.7 mg/l  
Exposure time: 48 h

M-Factor (Acute aquatic toxicity) : 1

### **Persistence and degradability**

#### **Components:**

##### **Ethyl Alcohol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 84 %  
Exposure time: 20 d

##### **Ammonium Laureth Sulfate:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 100 %  
Exposure time: 28 d  
Method: Directive 67/548/EEC Annex V, C.4.C.  
Remarks: Based on data from similar materials

##### **Ammonium Lauryl Sulfate:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 75.7 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
Remarks: Based on data from similar materials

##### **Propylene Glycol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 98.3 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

### **Bioaccumulative potential**

#### **Components:**

##### **Ethyl Alcohol:**

Partition coefficient: n-octanol/water : log Pow: -0.35

##### **Ammonium Laureth Sulfate:**

Partition coefficient: n-octanol/water : log Pow: 0.3

##### **Ammonium Lauryl Sulfate:**

Partition coefficient: n-octanol/water : log Pow: 0.8 - 0.91

##### **Propylene Glycol:**

Partition coefficient: n-octanol/water : log Pow: -1.07

##### **Chloroxylenol:**

Partition coefficient: n-octanol/water : log Pow: 3.27

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### Mobility in soil

No data available

### Other adverse effects

No data available

### Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.  
Contaminated packaging : Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14. TRANSPORT INFORMATION

### International Regulation

#### IATA-DGR

UN/ID No. : UN 1170  
Proper shipping name : Ethanol solution  
Class : 3  
Packing group : III  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

#### IMDG-Code

UN number : UN 1170  
Proper shipping name : ETHANOL SOLUTION  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-D  
Marine pollutant : no

### National Regulations

#### 49 CFR

UN/ID/NA number : UN 1170  
Proper shipping name : Ethanol solutions  
Class : 3  
Packing group : III  
ERG Code : 127  
Marine pollutant : no

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : 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.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

|                  |         |         |
|------------------|---------|---------|
| Ethyl Alcohol    | 64-17-5 | 4.405 % |
| Propylene Glycol | 57-55-6 | 2 %     |

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

**Clean Water Act**

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**US State Regulations****Massachusetts Right To Know**

|               |         |         |
|---------------|---------|---------|
| Ethyl Alcohol | 64-17-5 | 1 - 5 % |
|---------------|---------|---------|

**Pennsylvania Right To Know**

|                          |            |           |
|--------------------------|------------|-----------|
| Water (Aqua)             | 7732-18-5  | 70 - 90 % |
| Ethyl Alcohol            | 64-17-5    | 1 - 5 %   |
| Ammonium Laureth Sulfate | 67762-19-0 | 1 - 5 %   |
| Ammonium Lauryl Sulfate  | 2235-54-3  | 1 - 5 %   |
| Propylene Glycol         | 57-55-6    | 1 - 5 %   |
| Isopropyl Alcohol        | 67-63-0    | 0.1 - 1 % |
| Ammonium Sulfate         | 7783-20-2  | 0.1 - 1 % |

**New Jersey Right To Know**

|                          |            |           |
|--------------------------|------------|-----------|
| Water (Aqua)             | 7732-18-5  | 70 - 90 % |
| Ethyl Alcohol            | 64-17-5    | 1 - 5 %   |
| Ammonium Laureth Sulfate | 67762-19-0 | 1 - 5 %   |
| Ammonium Lauryl Sulfate  | 2235-54-3  | 1 - 5 %   |
| Propylene Glycol         | 57-55-6    | 1 - 5 %   |

# SAFETY DATA SHEET

## BOARDWALK® Antibacterial Foam Handwash

Version 1.1

SDS Number: 400000000037

Revision Date: 10/17/2019

### California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### The components of this product are reported in the following inventories:

|       |   |
|-------|---|
| TSCA  | : On TSCA Inventory                                     |
| AICS  | : On the inventory, or in compliance with the inventory |
| DSL   | : On the inventory, or in compliance with the inventory |
| ENCS  | : On the inventory, or in compliance with the inventory |
| ISHL  | : On the inventory, or in compliance with the inventory |
| KECI  | : On the inventory, or in compliance with the inventory |
| PICCS | : On the inventory, or in compliance with the inventory |
| IECSC | : On the inventory, or in compliance with the inventory |
| NZIoC | : On the inventory, or in compliance with the inventory |

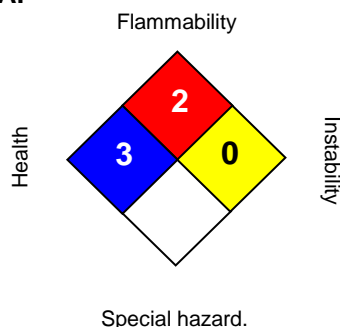
### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS III:

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>3</b> |
| <b>FLAMMABILITY</b>    | <b>2</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 10/17/2019

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.