



# SAFETY DATA SHEET

Prepared to US-OSHA Standards

B4 Brands ATERRA® GENERAL PURPOSE FOAMING HAND SOAP

SDS Revision: 2.0

SDS Revision Date: 30Jan19

## 1. PRODUCT AND COMPANY IDENTIFICATION

|     |                              |                                                                                  |
|-----|------------------------------|----------------------------------------------------------------------------------|
| 1.1 | Product Name:                | B4 Brands ATERRA® GENERAL PURPOSE FOAMING HAND SOAP                              |
| 1.2 | Product Code:                | 12092                                                                            |
| 1.3 | Product Uses & Restrictions: | Foaming hand cleanser for consumer and occupational use.                         |
| 1.4 | Supplier Name:               | B4 Brands                                                                        |
| 1.5 | Supplier Address:            | 1001 North Washington Street                                                     |
| 1.6 | Business Phone:              | 1-888-667-6066                                                                   |
| 1.7 | Business Email:              | www.b4brands.com                                                                 |
| 1.8 | Emergency Phone:             | INFOTRAC: 1-800-535-5053 (North America) +1-352-323-3500 (Outside North America) |

This document is written for the packaged product and contains information for an occupational, or workplace, setting.

## 2. HAZARDS IDENTIFICATION

|     |                                             |                                                                                                                                                                                                                                                                          |                                   |
|-----|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| 2.1 | Classification of the Substance or Mixture: | <b>Physical Hazards:</b> Not Classified<br><b>Health Hazards:</b> Not Classified<br><b>Environmental Hazards:</b> Aquatic Acute/Chronic Toxicity, Category 3                                                                                                             |                                   |
| 2.2 | Labeling Elements:                          | <b>Hazard Signal Word:</b> None<br><b>Hazard Statements:</b> Harmful to aquatic life with long lasting effects.<br><b>Precautionary Statements:</b> Avoid release to the environment. Dispose of contents and container in accordance with local authority requirements. | <b>Hazard Pictograms:</b><br>None |
| 2.3 | Other Hazards:                              | None known.                                                                                                                                                                                                                                                              |                                   |

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture:

| CHEMICAL NAME                  | CAS No.  | % by Weight |
|--------------------------------|----------|-------------|
| Triethanolamine Lauryl Sulfate | 139-96-8 | 1 - 10      |

There are no other ingredients present in the mixture which, within the current knowledge of the supplier and in the concentrations applicable, are classified as physical, health or environmental hazards, and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

## 4. FIRST AID MEASURES

|     |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.1 | Description of First Aid Measures:                                      | <b>Ingestion:</b> In case of ingestion, do not induce vomiting without medical advice. Give victim several glasses of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention if necessary.<br><b>Eyes:</b> In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.<br><b>Skin:</b> If signs of irritation to the skin develop, wash the affected area with plenty of water and soap. Seek medical attention in the event of an adverse reaction or if symptoms persist.<br><b>Inhalation:</b> If respiratory distress or irritation occurs, remove victim to fresh air. Seek medical attention in the event of an adverse reaction or if symptoms persist. |
| 4.2 | Most Important Symptoms and Effects, Both Acute and Delayed:            | No information available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4.3 | Indication of Immediate Medical Attention and Special Treatment Needed: | Provide general supportive measures and treat symptomatically. No known specific antidotes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## 5. FIRE FIGHTING MEASURES

|     |                                                                |                                                                                                                                               |
|-----|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 5.1 | Extinguishing Media:                                           | <b>Suitable Extinguishing Media:</b> Water mist, dry chemical, foam, or carbon dioxide.<br><b>Unsuitable Extinguishing Media:</b> None known. |
| 5.2 | Specific Hazards:                                              | May produce oxides of carbon and/or nitrogen on combustion.                                                                                   |
| 5.3 | Special Protective Equipment and Precautions for Firefighters: | Wear self-contained breathing apparatus and full personal protective gear.<br>Use standard firefighting procedures.                           |



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| 6. ACCIDENTAL RELEASE MEASURES             |                                                                      |                                                                                                                                                                                                      |            |                                    |                                     |                     |
|--------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------|-------------------------------------|---------------------|
| 6.1                                        | Personal Precautions, Protective Equipment and Emergency Procedures: | Observe all personal protection equipment recommendations described in Section 8. Ventilate closed spaces before entering them. Keep unnecessary personnel away.                                     |            |                                    |                                     |                     |
| 6.2                                        | Environmental Precautions:                                           | Dike or contain spill to prevent from entering drains. Avoid direct release to drains, surface and ground water.                                                                                     |            |                                    |                                     |                     |
| 6.3                                        | Methods and Material for Containment and Cleaning Up:                | Clean up spill with appropriate absorbent material. Clean area to prevent a slip hazard. Dispose of all washings, sweepings, and absorbents in accordance with federal, state and local regulations. |            |                                    |                                     |                     |
| 7. HANDLING AND STORAGE                    |                                                                      |                                                                                                                                                                                                      |            |                                    |                                     |                     |
| 7.1                                        | Precautions for Safe Handling:                                       | Utilize safe handling and transportation techniques to avoid spillage or rupture of the product. Do not eat, drink, or smoke while handling. Observe good hygiene practices.                         |            |                                    |                                     |                     |
| 7.2                                        | Conditions for Safe Storage:                                         | Store in a cool, dry, and well-ventilated area away from direct sun-light and incompatible materials (see Section 10). Store at temperatures 4 to 40°C (39 to 104°F).                                |            |                                    |                                     |                     |
| 8. EXPOSURE CONTROLS / PERSONAL PROTECTION |                                                                      |                                                                                                                                                                                                      |            |                                    |                                     |                     |
| 8.1                                        | Control Parameters:                                                  | CHEMICAL NAME                                                                                                                                                                                        | CAS Number | Occupational Exposure Limits       |                                     |                     |
|                                            |                                                                      |                                                                                                                                                                                                      |            | OSHA PEL (TWA)                     | NIOSH REL (TWA)                     | ACGIH TLV (Ceiling) |
|                                            |                                                                      | Formaldehyde (<0.005% by weight in the mixture)                                                                                                                                                      | 50-00-0    | 0.75 ppm<br>1900 mg/m <sup>3</sup> | 0.016 ppm<br>1900 mg/m <sup>3</sup> | 0.3 ppm             |
| 8.2                                        | Engineering Controls:                                                | Provide adequate ventilation in the workplace to maintain airborne levels below recommended exposure limits.                                                                                         |            |                                    |                                     |                     |
| 8.3                                        | Respiratory Protection:                                              | NIOSH approved respirator in accordance with 29 CFR 1910.134 if airborne exposure limits are exceeded.                                                                                               |            |                                    |                                     |                     |
| 8.4                                        | Eye Protection:                                                      | No special eye protection is required under typical circumstances of use and handling. Wear protective eyewear (e.g., safety glasses with side-shield) if splash hazards exist in the workplace.     |            |                                    |                                     |                     |
| 8.5                                        | Skin Protection:                                                     | No special skin protection is required under typical circumstances of use and handling.                                                                                                              |            |                                    |                                     |                     |
| 9. PHYSICAL AND CHEMICAL PROPERTIES        |                                                                      |                                                                                                                                                                                                      |            |                                    |                                     |                     |
| 9.1                                        | Appearance:                                                          | Clear, colorless liquid                                                                                                                                                                              |            |                                    |                                     |                     |
| 9.2                                        | Odor:                                                                | Fresh clean                                                                                                                                                                                          |            |                                    |                                     |                     |
| 9.3                                        | Odor Threshold:                                                      | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |
| 9.4                                        | pH:                                                                  | 7.1 - 7.6                                                                                                                                                                                            |            |                                    |                                     |                     |
| 9.5                                        | Melting Point:                                                       | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |
| 9.6                                        | Freezing Point:                                                      | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |
| 9.7                                        | Initial Boiling Point/Boiling Range:                                 | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |
| 9.8                                        | Flashpoint:                                                          | >93 C (200 F) estimated from component data                                                                                                                                                          |            |                                    |                                     |                     |
| 9.9                                        | Evaporation Rate:                                                    | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |
| 9.10                                       | Flammability (solid, gas):                                           | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |
| 9.11                                       | Upper/Lower Flammability or Explosive Limits:                        | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |
| 9.12                                       | Vapor Pressure:                                                      | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |
| 9.13                                       | Vapor Density:                                                       | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |
| 9.14                                       | Relative Density (water=1.0):                                        | 0.979 - 0.989                                                                                                                                                                                        |            |                                    |                                     |                     |
| 9.15                                       | Solubility:                                                          | Soluble in water                                                                                                                                                                                     |            |                                    |                                     |                     |
| 9.16                                       | Partition Coefficient (n-octanol/water):                             | No data available on this product                                                                                                                                                                    |            |                                    |                                     |                     |



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| 9.17 | Autoignition Temperature:  | No data available on this product                             |
| 9.18 | Decomposition Temperature: | No data available on this product                             |
| 9.19 | Viscosity:                 | No data available on this product                             |
| 9.20 | Other Information:         | No relevant additional information available on this product. |

## 10. STABILITY AND REACTIVITY

|      |                                     |                                                                                                            |
|------|-------------------------------------|------------------------------------------------------------------------------------------------------------|
| 10.1 | Reactivity:                         | The product is not reactive under normal conditions of use, storage and transport.                         |
| 10.2 | Chemical Stability:                 | This product is stable under normal handling and storage conditions.                                       |
| 10.3 | Possibility of Hazardous Reactions: | No hazardous reactions known under conditions of normal use. Hazardous polymerization is not expected.     |
| 10.4 | Conditions to Avoid:                | Direct sunlight and extremely high or low temperatures.                                                    |
| 10.5 | Incompatible Materials:             | Strong acids, bases, oxidizing and reducing agents.                                                        |
| 10.6 | Hazardous Decomposition Products:   | No hazardous decomposition products are known. May produce oxides of carbon and/or nitrogen on combustion. |

## 11. TOXICOLOGICAL INFORMATION

**Information on Toxicological Effects:** No data available on the mixture. Health effects of the mixture are derived from component information, concentrations present, and in accordance with US OSHA Regulation 29 CFR 1910.1200. Classifications for the mixture may be based on additional component data not shown.

|       |                                                     |                                                                                                                                   |
|-------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 11.1  | <b>Potential Acute Health Effects and Symptoms:</b> |                                                                                                                                   |
|       | Eye Contact:                                        | No adverse effects expected from normal use. May cause mild, transient irritation if eye contact occurs.                          |
|       | Skin Contact:                                       | No adverse effects expected from normal use.                                                                                      |
|       | Ingestion:                                          | No adverse effects expected from normal use. May cause gastrointestinal discomfort/irritation if swallowed.                       |
|       | Inhalation:                                         | No adverse effects expected from normal use. No specific data available.                                                          |
| 11.2  | <b>Potential Chronic Health Effects:</b> None known |                                                                                                                                   |
| 11.3  | <b>Acute Toxicity:</b>                              | Classification criteria are not met.                                                                                              |
|       | Product:                                            | Acute Toxicity Estimate: Calculation Method<br>Oral: > 5,000 mg/kg                                                                |
|       | Components:                                         | Triethanolamine Lauryl Sulfate: CAS 139-96-8<br>Oral LD50: 967 mg/kg (Rat)                                                        |
| 11.4  | <b>Skin Corrosion/Irritation:</b>                   | <b>Product Summary/Conclusion:</b> Classification criteria are not met.                                                           |
|       |                                                     | Triethanolamine Lauryl Sulfate: CAS 139-96-8<br>Human Patch: Non-irritant (10.5% active)                                          |
| 11.5  | <b>Serious Eye Damage/Irritation:</b>               | <b>Product Summary/Conclusion:</b> Classification criteria are not met.                                                           |
|       |                                                     | Triethanolamine Lauryl Sulfate: CAS 139-96-8<br>Eye Irritant, Category 2A                                                         |
| 11.6  | <b>Respiratory or Skin Sensitization:</b>           | No data available to indicate product or any components present at greater than 0.1% are respiratory or skin sensitizers.         |
| 11.7  | <b>Germ Cell Mutagenicity:</b>                      | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.                  |
| 11.8  | <b>Carcinogenicity:</b>                             | No components at levels greater than or equal to 0.1% are listed as carcinogens by IARC, US OSHA or NTP.                          |
| 11.9  | <b>Reproductive Toxicity:</b>                       | No data available to indicate product or any components present at greater than 0.1% cause reproductive or developmental effects. |
| 11.10 | <b>STOT-Single Exposure:</b>                        | Not classified due to lack of data.                                                                                               |
| 11.11 | <b>STOT-Repeated Exposure:</b>                      | Not classified due to lack of data.                                                                                               |
| 11.12 | <b>Aspiration Hazard:</b>                           | Classification criteria are not met.                                                                                              |



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## 12. ECOLOGICAL INFORMATION

|      |                                |                                                                                                                                                                                                                                                               |
|------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12.1 | Ecotoxicity:                   | <b>Product Summary/Conclusion:</b> Harmful to aquatic life with long lasting effects<br><b>Triethanolamine Lauryl Sulfate:</b> CAS 139-96-8<br>Aquatic Plants EC50: 53 mg/L, 72 hours<br>Crustacea EC50: 5.5 mg/L, 48 hours<br>Fish LC50: 1.36 mg/L, 96 hours |
| 12.2 | Persistence and Degradability: | No data available                                                                                                                                                                                                                                             |
| 12.3 | Bioaccumulative Potential:     | No data available                                                                                                                                                                                                                                             |
| 12.4 | Mobility in Soil:              | No data available                                                                                                                                                                                                                                             |
| 12.5 | Other Adverse Effects:         | No other known adverse environmental effects or critical hazards.                                                                                                                                                                                             |

## 13. DISPOSAL CONSIDERATIONS

|      |                                               |                                                                                                                                                                                                                                            |
|------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13.1 | Waste Disposal Methods:                       | Dispose of in accordance with appropriate federal, state, and local regulations. Avoid direct release of large quantities to sewage drains. Empty containers should be taken to an approved waste handling site for recycling or disposal. |
| 13.2 | Special Precautions:                          | No relevant additional information available                                                                                                                                                                                               |
| 13.3 | US EPA (RCRA) Hazardous Waste Classification: | Not applicable                                                                                                                                                                                                                             |

## 14. TRANSPORT INFORMATION

|      |                                                                     |                                                                                                                                                  |
|------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 14.1 | US DOT (GROUND):                                                    | Not regulated                                                                                                                                    |
| 14.2 | IATA (AIR):                                                         | Not regulated                                                                                                                                    |
| 14.3 | IMDG (OCEAN):                                                       | Not regulated                                                                                                                                    |
| 14.6 | Environmental Hazards:                                              | Not regulated                                                                                                                                    |
| 14.7 | Transport in Bulk According to Annex II of Marpol and the IBC Code: | Not applicable                                                                                                                                   |
| 14.8 | Special Precautions for User:                                       | Transport within user's premises: Transport in closed containers that are upright and secure. Read SDS and emergency procedures before handling. |

## 15. REGULATORY INFORMATION

|      |                                        |                                                                                                    |
|------|----------------------------------------|----------------------------------------------------------------------------------------------------|
| 15.1 | SARA 302 TPQ:                          | No chemical components in this product are at levels which require reporting.                      |
| 15.2 | SARA 304 RQ:                           | No chemical components in this product are at levels which require reporting.                      |
| 15.3 | SARA 311/312:                          | Not applicable - product is exempt.                                                                |
| 15.4 | SARA 313:                              | No chemical components in this product are at levels which require reporting.                      |
| 15.5 | CERCLA RQ:                             | No chemical components in this product are at levels which require reporting.                      |
| 15.6 | Clean Air Act (CAA) Section 112(r) TQ: | No chemical components in this product are at levels which require reporting.                      |
| 15.7 | Clean Water Act (CWA):                 | No chemical components in this product are listed.                                                 |
| 15.8 | California Proposition 65:             | This product is not subject to California warning labeling for carcinogens or reproductive toxins. |

## 16. OTHER INFORMATION

|      |         |                                                                                                                                                                                                                                                                                                          |
|------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16.1 | Legend: | ACGIH: American Conference of Governmental Industrial Hygienists<br>CAS: Chemical Abstracts Service<br>CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act<br>CFR: Code of Federal Regulations<br>DOT: (US) Department of Transportation<br>EC50: Effective Concentration, 50% |
|------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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|------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                      | EPA: (US) Environmental Protection Agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|      |                      | GHS: Globally Harmonized System of Classification and Labeling Chemicals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|      |                      | IATA: International Air Transport Association                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|      |                      | IARC: International Agency for the Research of Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|      |                      | IBC: Intermediate Bulk Container                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|      |                      | IMDG: International Maritime Dangerous Goods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|      |                      | LC50: Lethal Concentration, 50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|      |                      | LD50: Lethal Dose, 50%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|      |                      | NIOSH: National Institute for Occupational Safety and Health                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|      |                      | NTP: National Toxicology Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|      |                      | OSHA: (US) Occupational Safety & Health Administration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|      |                      | PEL: Permissible Exposure Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|      |                      | RCRA: Resource Conservation and Recovery Act                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|      |                      | REL: Recommended Exposure Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|      |                      | RQ: Reportable Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|      |                      | SARA: Superfund Amendments and Reauthorization Act                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|      |                      | STOT: Specific Target Organ Toxicity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|      |                      | TLV: Threshold Limit Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|      |                      | TPQ: Threshold Planning Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|      |                      | TQ: Threshold Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|      |                      | TWA: Time Weighted Average                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 16.2 | Disclaimer:          | This Safety Data Sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this product. The information set forth herein has been compiled from sources considered to be reliable and is believed to be accurate as of the date of publication. This information is offered in good faith by B4 Brands and the accuracy, suitability or completeness is not guaranteed, and no warranties of any type, either expressed or implied, are provided. If this product(s) is combined with other materials, all component properties must be considered. The user assumes all liability for any damage or from any hazards inherent in the nature of the product. |
| 16.3 | Last Revision Date:  | 11Sep17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 16.4 | Reason for Revision: | Update format and to current regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

