## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT IDENTIFICATION AND USE

**PRODUCT IDENTIFIER**
SYMMETRY GREEN CERTIFIED FOAMING HANDWASH

**PRODUCT USE**
Hand Soap

**MANUFACTURER’S NAME**
BUCKEYE INTERNATIONAL, INC.

**STREET ADDRESS**
2700 WAGNER PLACE

**CITY**
MARYLAND HEIGHTS

**PROVINCE**
MISSOURI, U.S.A.

**POSTAL CODE**
63043-3471

**MEDICAL EMERGENCY TELEPHONE NUMBER**
1-800-228-5635

**TRANSPORTATION EMERGENCY TELEPHONE NUMBER**
1-800-535-5053

### SECTION 2 - INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>%</th>
<th>CAS NUMBER</th>
<th>LD&lt;sub&gt;50&lt;/sub&gt; OF INGREDIENT (SPECIFY SPECIES AND ROUTE)</th>
<th>LC&lt;sub&gt;50&lt;/sub&gt; OF INGREDIENT (SPECIFY SPECIES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td>60-100</td>
<td>7732-18-5</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Alpha Olefin Sulfonate</td>
<td>7-13</td>
<td>68439-57-6</td>
<td>Rat Oral 2310 mg/kg</td>
<td>Not Available</td>
</tr>
<tr>
<td>Cocamide MEA</td>
<td>1-5</td>
<td>68140-00-1</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

### SECTION 3 - PHYSICAL DATA

<table>
<thead>
<tr>
<th>PHYSICAL STATE</th>
<th>ODOUR AND APPEARANCE</th>
<th>VAPOUR PRESSURE (mmHg)</th>
<th>VAPOUR DENSITY (Air=1)</th>
<th>EVAPORATION RATE (Water =1)</th>
<th>BOILING POINT (°C)</th>
<th>FREEZING POINT (°C)</th>
<th>SPECIFIC GRAVITY</th>
<th>COEFF. WATER/OIL DIST.</th>
<th>ODOR THRESHOLD (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Floral Fragrance; Clear Solution</td>
<td>Not Available</td>
<td>Not Available</td>
<td>1.0</td>
<td>100°</td>
<td>0°</td>
<td>1.00 ± 0.01</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>pH (CONC.)</td>
<td></td>
<td>8.7 ± 0.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH (USE DILUTION)</td>
<td></td>
<td>8.7 ± 0.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 4 - FIRE AND EXPLOSION DATA

<table>
<thead>
<tr>
<th>FLAMMABILITY</th>
<th>IF YES, UNDER WHICH CONDITIONS?</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>No</td>
</tr>
</tbody>
</table>

| MEANS OF EXTINCTION        | Not Applicable                   |

<table>
<thead>
<tr>
<th>FLASHPOINT (°C) AND METHOD</th>
<th>UPPER FLAMMABLE LIMIT (% BY VOLUME)</th>
<th>LOWER FLAMMABLE LIMIT (% BY VOLUME)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tag Closed Cup-None!</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

| HAZARDOUS COMBUSTION PRODUCTS | Oxides of carbon and sulfur. |

### SECTION 5 - REACTIVITY DATA

<table>
<thead>
<tr>
<th>CHEMICAL STABILITY</th>
<th>IF NO, UNDER WHICH CONDITIONS?</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INCOMPATIBILITY WITH OTHER SUBSTANCES?</th>
<th>IF SO, WHICH ONES?</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>Do not mix with chlorine bleach.</td>
</tr>
</tbody>
</table>

| REACTIVITY, AND UNDER WHAT CONDITIONS | None Known |

| HAZARDOUS DECOMPOSITION PRODUCTS | None Known |

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**Note:** The document continues with additional sections on Physical Data, Fire and Explosion Data, and Reactivity Data, providing detailed information on the product's physical properties, safety considerations, and handling instructions. Each section includes specific data points and guidelines for safe use and handling.
SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY    SKIN CONTACT    SKIN ABSORPTION    EYE CONTACT    INHALATION    INGESTION

Yes
No
Yes
No
No

EFFECTS OF ACUTE EXPOSURE TO PRODUCT
May cause eye irritation, but not to an extent to be regulated under WHMIS.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT
None Known

EXPOSURE LIMITS
Not Available

IRRITANCY OF PRODUCT
May cause eye irritation.

SENSITIZATION TO PRODUCT
Not Available

CARCINOGENICITY
No

TERATOGENICITY
No

REPRODUCTIVE TOXICITY
No

MUTAGENICITY
No

SYNERGISTIC PRODUCTS
None Known

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES (SPECIFY)
None Required

RESPIRATOR (SPECIFY)
None Required

EYE (SPECIFY)
None Required

FOOTWEAR (SPECIFY)
Normal Footwear

CLOTHING (SPECIFY)
Normal Clothing

OTHER (SPECIFY)
None Required

ENGINEERING CONTROLS (SPECIFY: e.g. VENTILATION, ENCLOSED PROCESS.)
None Required.

LEAK AND SPILL PROCEDURE
Will cause slippery surfaces. Pick up with mop, wet/dry vac or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

WASTE DISPOSAL
Flush to sanitary sewer or send to sanitary landfill following local, provincial and federal laws.

HANDLING PROCEDURES AND EQUIPMENT
Follow good personal hygiene practices. When using product, do not rub eyes.

STORAGE REQUIREMENTS
KEEP OUT OF REACH OF CHILDREN!
Keep container closed when not in use.
Store at room temperature.

SPECIAL SHIPPING INFORMATION
Toilet Preparations

SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES
For Eyes: Flush with cool water for 15 minutes. If irritation occurs and persists, see physician.
For Ingestion: Call for medical advice immediately. DO NOT induce vomiting. Do not give anything by mouth unless directed to do so by a medical professional.

Complies with US FDA regulations for cosmetic products.

RATING
4 = EXTREME
3 = SERIOUS
2 = MODERATE
1 = SLIGHT
0 = MINIMAL

<table>
<thead>
<tr>
<th>HAZARD</th>
<th>NFPA</th>
<th>HMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>INSTABILITY</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

SECTION 9 - PREPARATION DATE OF MSDS

PREPARED BY (GROUP, DEPARTMENT, ETC.)
SCOTT MAAG - VICE PRESIDENT OF OPERATIONS

PHONE NUMBER
(314) 291-1900

DATE
February 15, 2015