Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS # BE-5301-EU
Product Code 5301
Product Name Buckeye NAP BAC

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Rug and carpet shampoo

1.3. Details of the Supplier of the Safety Data Sheet

**Importer**
UK Contact David Pinder, EU General Manager
12 Paskin Close
Fradley Village, NR Lichfield
Staffordshire, WS13 8NZ UK

**Manufacturer**
TSGE
TSGE@TSGEurope.com

**Supplier**
Buckeye International, Inc.
2700 Wagner Place
Maryland Heights, MO 63043 USA

For further information, please contact

Contact Point
David Pinder, EU General Manager: 011447788432884
Buckeye International, Inc.: 1-314-291-1900

Email Address
info@buckeyeinternational.com

1.4. Emergency telephone number

Emergency Telephone (24 hr)
(Medical) 1-651-632-8956 (International)
1-800-303-0441 (North America)
(Transportation) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Hazard Classifications</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Inhalation (Dusts/Mists)</td>
<td>Category 4</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Chronic aquatic toxicity</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Classification according to 67/548/EEC

Full text of R-phrases: see section 16

**Hazard Symbols**
Not dangerous
2.2. Label Elements
Labeling according to Regulation (EC) No. 1272/2008 [CLP].

Signal Word
Danger

Hazard Statements
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)
P280 - Wear eye protection/ face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/physician
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P271 - Use only outdoors or in a well-ventilated area
P312 - Call a POISON CENTER or doctor if you feel unwell

2.3. Other Hazards

General Hazards
None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC No</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Classification according to 67/548/EEC</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium lauroyl sarcosinate</td>
<td>Present</td>
<td>137-16-6</td>
<td>&lt;5</td>
<td>-</td>
<td>Skin Irrit. 2 (H315) Acute Tox. 2 (H330) Eye Dam. 1 (H318)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>Present</td>
<td>100-51-6</td>
<td>&lt;5</td>
<td>Xn; R20/22</td>
<td>Acute Tox. 4 (H302) Acute Tox. 4 (H332)</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Full text of R-phrases: see section 16
Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General Advice
Call a poison center or doctor immediately for treatment advice.
Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

Skin Contact
Take off contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes.

Inhalation
Remove to fresh air. Call a poison center or doctor/physician if you feel unwell.

Ingestion
Have person sip a glass of water if able to swallow. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention to assess further treatment.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms
May cause eye burns and permanent eye damage. Nausea. Headache. Harmful if inhaled. May cause mild skin irritation. Skin contact may aggravate an existing dermatitis.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician
Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Combustion products may be toxic. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous Combustion Products
Carbon oxides. Sulfur oxides.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions
Use personal protective equipment as required.

For Emergency Responders
Use personal protection recommended in Section 8.

6.2. Environmental Precautions

Collect spillage.
6.3. Methods and Material for Containment and Cleaning Up

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up
Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

6.4. Reference to Other Sections
See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Advice on Safe Handling
Keep out of the reach of children. Do not breathe dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8. Use only outdoors or in a well-ventilated area.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep container closed when not in use. Store at room temperature.

Packaging Materials
Rinse container before discarding.

7.3. Specific End Use(s)

Specific Use(s)
Rug and carpet shampoo.

Risk Management Methods (RMM)
The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Italy</th>
<th>Portugal</th>
<th>Netherlands</th>
<th>Finland</th>
<th>Denmark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td></td>
<td></td>
<td></td>
<td>TWA: 10 ppm</td>
<td>TWA: 45 mg/m³</td>
</tr>
<tr>
<td>100-51-6 ( &lt;5 )</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Austria</td>
<td>Switzerland</td>
<td>Poland</td>
<td>Norway</td>
<td>Ireland</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td></td>
<td></td>
<td></td>
<td>TWA: 240 mg/m³</td>
<td></td>
</tr>
<tr>
<td>100-51-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure Controls

Engineering Controls
Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment

Eye/Face Protection
Splash goggles or safety glasses.

Hand Protection
Rubber gloves.
Skin and Body Protection
Footwear that keeps feet dry is suggested. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Avoid breathing vapor.

Respiratory Protection

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear light blue liquid</td>
<td>Odour</td>
<td>Floral</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear light blue</td>
<td>Odour Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>7.8 ± 0.2 (conc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7.5 ± 0.2 (1:32 dilution; pH 7 DI water)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>100 °C / 212 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>1.0</td>
<td>(Water = 1)</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapour Density</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Infinite</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidising Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
Not reactive under normal conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of Hazardous Reactions

Hazardous Polymerization
Hazardous polymerization does not occur.

Possibility of Hazardous Reactions
None under normal processing.
10.4. Conditions to Avoid

Keep out of reach of children.

10.5. Incompatible Materials

Chlorine bleach.

10.6. Hazardous Decomposition Products

Carbon oxides. Sulfur oxides.

**Section 11: TOXICOLOGICAL INFORMATION**

11.1. Information on Toxicological Effects

**Acute Toxicity**

**Product Information**

- **Eye Contact** Causes serious eye damage.
- **Skin Contact** Avoid contact with skin.
- **Inhalation** Harmful if inhaled.
- **Ingestion** Do not ingest.

**Unknown Acute Toxicity** 0.38% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

<table>
<thead>
<tr>
<th>Component Information</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium lauryl sulfate</td>
<td>= 1288 mg/kg (Rat)</td>
<td>= 580 mg/kg (Rabbit)</td>
<td>&gt; 3900 mg/m³ (Rat) 1 h</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>= 1230 mg/kg (Rat)</td>
<td>= 2000 mg/kg (Rabbit)</td>
<td>= 8.8 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Sulfuric Acid, mono-C10-16-alkyl esters, sodium salts</td>
<td>&gt; 2000 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation** Not classified.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Sensitization** Not classified.

**Germ cell mutagenicity** Not classified.
Carcinogenicity
None known based on information supplied.

Reproductive toxicity
Not classified.

STOT - single exposure
Not classified.

STOT - repeated exposure
Not classified.

Aspiration hazard
Not classified.

Symptoms
Please see section 4 of this SDS for symptoms.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>35: 3 h Anabaena variabilis mg/L EC50</td>
<td>460: 96 h Pimephales promelas mg/L LC50 static</td>
<td>23: 48 h water flea mg/L EC50</td>
</tr>
</tbody>
</table>

12.2. Persistence and Degradability
Not determined.

12.3. Bioaccumulative Potential

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>1.1</td>
</tr>
</tbody>
</table>

12.4. Mobility in Soil
Mobility
Not determined.

12.5. Results of PBT and vPvB Assessment
Not determined.

12.6. Other Adverse Effects
Not determined.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from Residues / Unused Products
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Improper disposal or reuse of this container may be dangerous and illegal.
Section 14: TRANSPORT INFORMATION

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

IMDG
14.2 Proper Shipping Name  Not regulated

RID
14.2 Proper Shipping Name  Not regulated

ADR
14.2 Proper Shipping Name  Not regulated

ICAO (air)
14.2 Proper Shipping Name  Not regulated

IATA
14.2 Proper Shipping Name  Not regulated

Section 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Occupational Illnesses (R-463-3, France)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>French RG number</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>RG 84</td>
</tr>
</tbody>
</table>

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

International Inventories

Not determined.

TSCA  
EINECS/ELINCS  
DSL/NDSL  
PICCS  
ENCS  
IECSC  
AICS  
KECL

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
Section 16: OTHER INFORMATION

Safety Data Sheet Status
The Risk Phrases/Hazard Statements listed below in Section 16 are related to the Raw Materials (ingredients) in the Product (as listed in Section 3) and NOT only the product itself. For the Risk Phrases/Hazard Statements relating to this Product see Section 2.

Full text of R-phrases referred to under sections 2 and 3
Not applicable
R20/22 - Harmful by inhalation and if swallowed

Full text of H-Statements referred to under sections 2 and 3
H315 - Causes skin irritation
H330 - Fatal if inhaled
H318 - Causes serious eye damage
H302 - Harmful if swallowed
H332 - Harmful if inhaled

Classification Procedure
Expert judgment and weight of evidence determination

Issue Date: 27-Dec-2011
Revision Date: 09-Jan-2015
Revision Note: New format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

Disclaimer
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.

End of Safety Data Sheet