



# Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 26-Nov-2014

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Buckeye Star Spray

### Other means of identification

**SDS #** BE-5403

**Product Code** 5403

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

**Recommended Use** Ready-to-Use Glass Cleaner, Water Based.

### Details of the supplier of the safety data sheet

#### Supplier Address

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

#### Emergency Telephone Number

**Company Phone Number** 1-651-632-8956 (International)  
1-800-303-0441 (North America)  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear light blue/green solution

**Physical State** Liquid

**Odor** Citrus Floral

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                     | CAS No   | Weight-% |
|-----------------------------------|----------|----------|
| Propylene glycol monomethyl ether | 107-98-2 | 3        |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

### First Aid Measures

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation persists.  |
| <b>Skin Contact</b> | Wash skin with soap and water. If skin irritation persists, call a physician.  |
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Ingestion</b>    | Drink 2-3 large glasses of water. Do not induce vomiting. Call a physician. Never give anything by mouth to an unconscious person. |

### Most important symptoms and effects

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Direct eye contact may cause stinging, tearing and redness. |
|-----------------|---|

### Indication of any immediate medical attention and special treatment needed

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

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

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

Combustion products may be toxic.

**Hazardous Combustion Products** Carbon oxides.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                                  |  |
|----------------------------------|--|
| <b>Personal Precautions</b>      | Use personal protection recommended in Section 8.  |
| <b>Environmental Precautions</b> | Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS. |

### Methods and material for containment and cleaning up

|                                |   |
|--------------------------------|---|
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for Clean-Up</b>    | Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic. |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing.

### 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.

#### Incompatible Materials

Chlorine bleach.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name                                 | ACGIH TLV                     | OSHA PEL   | NIOSH IDLH   |
|---|-------------------------------|--|--|
| Propylene glycol monomethyl ether<br>107-98-2 | STEL: 150 ppm<br>TWA: 100 ppm | (vacated) TWA: 100 ppm<br>(vacated) TWA: 360 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 540 mg/m <sup>3</sup> | TWA: 100 ppm<br>TWA: 360 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 540 mg/m <sup>3</sup> |

### Appropriate engineering controls

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

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

#### Eye/Face Protection

Risk of contact: Wear approved safety goggles.

#### Skin and Body Protection

Wear suitable protective clothing.

#### Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

#### Physical State

Liquid

#### Appearance

Clear light blue/green solution

#### Odor

Citrus Floral

#### Color

Clear light blue/green

#### Odor Threshold

Not determined

### Property

### Values

### Remarks • Method

#### pH

9.5 ± 0.5 (conc and use dilution)

#### Melting Point/Freezing Point

Not determined

#### Boiling Point/Boiling Range

100 °C / 212 °F

#### Flash Point

None

#### Evaporation Rate

1.0

(Water = 1)

#### Flammability (Solid, Gas)

Liquid-Not applicable

#### Upper Flammability Limits

Not applicable

#### Lower Flammability Limit

Not applicable

#### Vapor Pressure

Not determined

#### Vapor Density

Not determined

#### Specific Gravity

0.99

#### Water Solubility

Infinite

#### Solubility in other solvents

Not determined

#### Partition Coefficient

Not determined

#### Auto-ignition Temperature

Not determined

#### Decomposition Temperature

Not determined

#### Kinematic Viscosity

Not determined

#### Dynamic Viscosity

Not determined

#### Explosive Properties

Not determined

#### Oxidizing Properties

Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

Keep separated from incompatible substances. Keep out of reach of children.

### Incompatible Materials

Chlorine bleach.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact**      Avoid contact with eyes.

**Skin Contact**      Avoid contact with skin.

**Inhalation**      Avoid breathing vapors or mists.

**Ingestion**      Do not ingest.

### Component Information

| Chemical Name                                 | Oral LD50            | Dermal LD50              | Inhalation LC50                               |
|---|----------------------|--------------------------|---|
| Propylene glycol monomethyl ether<br>107-98-2 | = 5200 mg/kg ( Rat ) | = 13000 mg/kg ( Rabbit ) | = 54.6 mg/L ( Rat ) 4 h > 24 mg/L ( Rat ) 1 h |

### Information on physical, chemical and toxicological effects

**Symptoms**      Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity**      This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

| Chemical Name                                 | Algae/aquatic plants | Fish   | Toxicity to microorganisms | Crustacea                           |
|---|----------------------|--|----------------------------|-------------------------------------|
| Propylene glycol monomethyl ether<br>107-98-2 |                      | 20.8: 96 h Pimephales promelas g/L LC50 static<br>4600 - 10000: 96 h Leuciscus idus mg/L LC50 static |                            | 23300: 48 h Daphnia magna mg/L EC50 |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name                                 | Partition Coefficient |
|---|-----------------------|
| Propylene glycol monomethyl ether<br>107-98-2 | -0.437                |

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION****Note**

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

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**International Inventories**

| Chemical Name                     | TSCA    | DSL | NDSL | EINECS  | ELINCS | ENCS    | IECSC | KECL    | PICCS | AICS |
|-----------------------------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Propylene glycol monomethyl ether | Present | X   |      | Present |        | Present | X     | Present | X     | X    |

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name                                 | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Propylene glycol monomethyl ether<br>107-98-2 | X          | X             | X            |

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards**

0

0

0

Not determined

**HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**

Not determined

Not determined

Not determined

Not determined

**Issue Date:** 27-Dec-2011**Revision Date:** 26-Nov-2014**Revision Note:** New format**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**