



# Safety Data Sheet

Issue Date: 14-Jan-2013

Revision Date: 22-Dec-2017

Version 2

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Buckeye Eco Multi-Purpose Glass Cleaner

### Other means of identification

**SDS #** BE-6013

**Product Code** 6013

**UN/ID No** UN3271

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

**Recommended Use** Concentrated 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** 1-314-291-1900

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

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear blue liquid

**Physical State** Liquid

**Odor** None No fragrance added

### Classification

|                                                  |            |
|--------------------------------------------------|------------|
| Specific target organ toxicity (single exposure) | Category 3 |
| Flammable Liquids                                | Category 3 |

### Signal Word

**Warning**

### Hazard Statements

May cause drowsiness or dizziness  
Flammable liquid and vapor



**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
If skin irritation occurs: Get medical advice/attention  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a poison center or doctor/physician if you feel unwell  
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                     | CAS No   | Weight-% |
|-----------------------------------|----------|----------|
| Propylene glycol monomethyl ether | 107-98-2 | <60      |

\*\*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. Get medical attention if irritation develops or persists.                                      |
| <b>Skin Contact</b> | Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists. |
| <b>Inhalation</b>   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell.                                                               |
| <b>Ingestion</b>    | Give two large glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.                                                  |

**Most important symptoms and effects**

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| <b>Symptoms</b> | May be irritating to skin and eyes. May cause drowsiness or dizziness. |
|-----------------|------------------------------------------------------------------------|

**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

Flammable liquid and vapor. Combustion products may be toxic.

**Hazardous Combustion Products** Carbon oxides. Sulfur oxides.

**Sensitivity to Static Discharge** Take precautionary measures against static discharge.

### 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

**Personal Precautions** Use personal protection recommended in Section 8.

**Environmental Precautions** 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

**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.

## 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. Wash thoroughly with soap and water after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store at room temperature. Store locked up.

**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 rubber gloves or other impervious gloves.

**Respiratory Protection** Use in well-ventilated area.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                |                   |                |                         |
|----------------|-------------------|----------------|-------------------------|
| Physical State | Liquid            | Odor           | None No fragrance added |
| Appearance     | Clear blue liquid | Odor Threshold | Not determined          |
| Color          | Blue              |                |                         |

| <u>Property</u>              | <u>Values</u>                                   | <u>Remarks • Method</u> |
|------------------------------|-------------------------------------------------|-------------------------|
| pH                           | 8.20 ± 0.5 (conc)<br>5.98 ± 0.5 (1:42 dilution) |                         |
| Melting Point/Freezing Point | Not determined                                  |                         |
| Boiling Point/Boiling Range  | 100 °C / 212 °F                                 |                         |
| Flash Point                  | <54 °C / <130 °F                                | Tag Closed Cup          |
| 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             | 0.978                                           | (1=Water)               |
| Water Solubility             | Infinite                                        |                         |
| Solubility in other solvents | Not determined                                  |                         |
| Partition Coefficient        | Not determined                                  |                         |
| Auto-ignition Temperature    | Not applicable                                  |                         |
| 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. Sulfur 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**

May cause drowsiness or dizziness.

#### **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**

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

#### **STOT - single exposure**

May cause drowsiness or dizziness.

### 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

|                      |                                                |
|----------------------|------------------------------------------------|
| UN/ID No             | UN3271                                         |
| Proper Shipping Name | Ethers, n.o.s. (Propylene glycol methyl ether) |
| Hazard Class         | 3                                              |
| Packing Group        | III                                            |

### IATA

|                      |                                                |
|----------------------|------------------------------------------------|
| UN/ID No             | UN3271                                         |
| Proper Shipping Name | Ethers, n.o.s. (Propylene glycol methyl ether) |
| Hazard Class         | 3                                              |
| Packing Group        | III                                            |

### IMDG

|                      |                                                |
|----------------------|------------------------------------------------|
| UN/ID No             | UN3271                                         |
| Proper Shipping Name | Ethers, n.o.s. (Propylene glycol methyl ether) |
| Hazard Class         | 3                                              |
| Packing Group        | III                                            |

## 15. REGULATORY INFORMATION

### 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**

0

**Flammability**

2

**Instability**

0

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date:** 14-Jan-2013  
**Revision Date:** 22-Dec-2017  
**Revision Note:** Telephone number update

**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**