



# Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 22-Dec-2017

Version 3

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Buckeye Blue

### Other means of identification

**SDS #** BE-5001

**Product Code** 5001

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

**Recommended Use** All Purpose 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** Citrus fragrance

### Classification

Serious eye damage/eye irritation

Category 2

### Signal Word

Warning

### Hazard statements

Causes serious eye irritation



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: 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

**Other hazards**

Toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name  | CAS No.   | Weight-% |
|----------------|-----------|----------|
| EDTA           | 60-00-4   | <15      |
| Sodium Nitrite | 7632-00-0 | <1       |

\*\*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****Eye Contact**

IF IN EYES: 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.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**Inhalation**

Remove to fresh air.

**Ingestion**

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****Symptoms**

Causes serious eye irritation. Can cause defatting of skin tissue.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

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. Nitrogen oxides (NOx).

**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 protective equipment as required.

### Environmental precautions

**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. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash face, hands and any exposed skin thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep container closed when not in use. 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  |
|------------------------------|---|---|---|
| Triethanolamine<br>102-71-6  | TWA: 5 mg/m <sup>3</sup>                              | -   | -   |
| Phosphoric Acid<br>7664-38-2 | STEL: 3 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup><br>(vacated) TWA: 1 mg/m <sup>3</sup><br>(vacated) STEL: 3 mg/m <sup>3</sup> | IDLH: 1000 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup><br>STEL: 3 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** Splash goggles or safety glasses.

**Skin and Body Protection** Rubber gloves. 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                   |                       |                  |
|-----------------------|-------------------|-----------------------|------------------|
| <b>Physical state</b> | Liquid            | <b>Odor</b>           | Citrus fragrance |
| <b>Appearance</b>     | Clear blue liquid | <b>Odor Threshold</b> | Not determined   |
| <b>Color</b>          | Clear blue        |                       |                  |

| <u>Property</u>                     | <u>Values</u>                                  | <u>Remarks • Method</u> |
|-------------------------------------|--|-------------------------|
| <b>pH</b>                           | 11.0-11.4 (conc.)<br>10.3-10.7 (1:16 dilution) |                         |
| <b>Melting Point/Freezing Point</b> | Not determined                                 |                         |
| <b>Boiling Point/Boiling Range</b>  | 100 °C / 212 °F                                |                         |
| <b>Flash Point</b>                  | None   | Tag Closed Cup          |
| <b>Evaporation Rate</b>             | 1.0  | (Water = 1)             |
| <b>Flammability (Solid, Gas)</b>    | Liquid-Not Applicable                          |                         |
| <b>Flammability Limits in Air</b>   |  |                         |
| <b>Upper Flammability Limits</b>    | Not Applicable                                 |                         |
| <b>Lower Flammability Limit</b>     | Not Applicable                                 |                         |
| <b>Vapor Pressure</b>               | Not determined                                 |                         |
| <b>Vapor Density</b>                | Not determined                                 |                         |
| <b>Relative Density</b>             | 1.04   |                         |
| <b>Water Solubility</b>             | Infinite                                       |                         |
| <b>Solubility in other solvents</b> | Not determined                                 |                         |
| <b>Partition Coefficient</b>        | Not determined                                 |                         |
| <b>Auto-ignition Temperature</b>    | Not determined                                 |                         |
| <b>Decomposition Temperature</b>    | Not determined                                 |                         |
| <b>Kinematic Viscosity</b>          | Not determined                                 |                         |
| <b>Dynamic Viscosity</b>            | Not determined                                 |                         |
| <b>Explosive Properties</b>         | Not determined                                 |                         |
| <b>Oxidizing Properties</b>         | 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. Nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                            |   |
|----------------------------|---|
| <b>Product Information</b> | The information below is for repeated and prolonged contact in an occupational setting. It does not apply to normal product use |
| <b>Eye Contact</b>         | Causes serious eye irritation.  |
| <b>Skin Contact</b>        | Avoid contact with skin.  |
| <b>Inhalation</b>          | Avoid breathing vapors or mists.  |
| <b>Ingestion</b>           | Do not ingest.  |

### Component Information

| Chemical Name                | Oral LD50            | Dermal LD50                              | Inhalation LC50                     |
|------------------------------|----------------------|--|-------------------------------------|
| EDTA<br>60-00-4              | = 1700 mg/kg ( Rat ) | -  | -                                   |
| Sodium Nitrite<br>7632-00-0  | = 85 mg/kg ( Rat )   | -  | = 5.5 mg/L ( Rat ) 4 h              |
| Triethanolamine<br>102-71-6  | = 4190 mg/kg ( Rat ) | > 20 mL/kg ( Rabbit ) > 16 mL/kg ( Rat ) | -                                   |
| Phosphoric Acid<br>7664-38-2 | = 1530 mg/kg ( Rat ) | = 2740 mg/kg ( Rabbit )                  | > 850 mg/m <sup>3</sup> ( Rat ) 1 h |

### Information on physical, chemical and toxicological effects

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Please see section 4 of this SDS for symptoms. |
|-----------------|--|

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

|                        |  |
|------------------------|--|
| <b>Carcinogenicity</b> | Nitrate or nitrite ingested under conditions that result in endogenous nitrosation are considered IARC group 2A carcinogens. |
|------------------------|--|

| Chemical Name               | ACGIH | IARC     | NTP | OSHA |
|-----------------------------|-------|----------|-----|------|
| Sodium Nitrite<br>7632-00-0 |       | Group 2A |     | X    |

#### **Legend**

*IARC (International Agency for Research on Cancer)*

*Group 2A - Probably Carcinogenic to Humans*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

### Component Information

| Chemical Name               | Algae/aquatic plants                                | Fish  | Crustacea                                       |
|-----------------------------|---|---|---|
| EDTA<br>60-00-4             | 1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 44.2 - 76.5: 96 h <i>Pimephales promelas</i> mg/L LC50 static 34 - 62: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static | 113: 48 h <i>Daphnia magna</i> mg/L EC50 Static |
| Sodium Nitrite<br>7632-00-0 |   | 0.092 - 0.13: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 0.4  |   |

|                              |   |  |                                    |
|------------------------------|---|--|------------------------------------|
|                              |   | - 0.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.19: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 2.3: 96 h Pimephales promelas mg/L LC50 flow-through 20: 96 h Pimephales promelas mg/L LC50 static 0.65 - 1: 96 h Oncorhynchus mykiss mg/L LC50 static |                                    |
| Triethanolamine<br>102-71-6  | 216: 72 h Desmodemus subspicatus mg/L EC50 169: 96 h Desmodemus subspicatus mg/L EC50 | 10600 - 13000: 96 h Pimephales promelas mg/L LC50 flow-through 450 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 1000: 96 h Pimephales promelas mg/L LC50 static   | 1386: 24 h Daphnia magna mg/L EC50 |
| Phosphoric Acid<br>7664-38-2 |   | 3 - 3.5: 96 h Gambusia affinis mg/L LC50   | 4.6: 12 h Daphnia magna mg/L EC50  |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name               | Partition Coefficient |
|-----------------------------|-----------------------|
| Sodium Nitrite<br>7632-00-0 | -3.7                  |
| Triethanolamine<br>102-71-6 | -2.53                 |

**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.

**California Hazardous Waste Status**

| Chemical Name                | California Hazardous Waste Status |
|------------------------------|-----------------------------------|
| Sodium Nitrite<br>7632-00-0  | Toxic<br>Ignitable<br>Reactive    |
| Phosphoric Acid<br>7664-38-2 | Corrosive                         |

### 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

## 15. REGULATORY INFORMATION

### International Inventories

| Chemical Name                 | TSCA | DSL/NDSL | EINECS/E LINC | ENCS    | IECSC | KECL    | PICCS | AICS |
|-------------------------------|------|----------|---------------|---------|-------|---------|-------|------|
| EDTA                          | X    | X        | X             | Present | X     | Present | X     | X    |
| Octylphenozypolyethoxyethanol | X    | X        |               |         | X     | Present | X     | X    |
| Sodium Nitrite                | X    | X        | X             | Present | X     | Present | X     | X    |
| Triethanolamine               | X    | X        | X             | Present | X     | Present | X     | X    |
| Phosphoric Acid               | X    | X        | X             | 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/ELINC** - 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

| Chemical Name                | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|------------------------------|--------------------------|----------------|--|
| EDTA<br>60-00-4              | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| Sodium Nitrite<br>7632-00-0  | 100 lb                   |                | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ  |
| Phosphoric Acid<br>7664-38-2 | 5000 lb                  |                | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

#### SARA 313

Not determined

#### CWA (Clean Water Act)

| Chemical Name   | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------|-----------------------------|------------------------|---------------------------|----------------------------|
| EDTA            | 5000 lb                     |                        |                           | X                          |
| Sodium Nitrite  | 100 lb                      |                        |                           | X                          |
| Phosphoric Acid | 5000 lb                     |                        |                           | X                          |

### US State Regulations

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

| Chemical Name                | New Jersey | Massachusetts | Pennsylvania |
|------------------------------|------------|---------------|--------------|
| EDTA<br>60-00-4              | X          | X             | X            |
| Sodium Nitrite<br>7632-00-0  | X          | X             | X            |
| Triethanolamine<br>102-71-6  | X          | X             | X            |
| Phosphoric Acid<br>7664-38-2 | X          | X             | X            |

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

1

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:**

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**