



# Safety Data Sheet

Issue Date: 06-Jan-2012

Revision Date: 11-May-2017

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Buckeye Eco pH Neutral Cleaner

### Other means of identification

**SDS #** BE-6031-CA

**Product Code** 6031  
**Synonyms** None

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

**Recommended Use** pH Neutral Cleaner, Water Based

**Uses Advised Against** No information available

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

#### Initial Supplier Identifier

THIS SAFETY DATA SHEET  
IS NOT COMPLIANT UNLESS  
CANADIAN ADDRESS IS USED

#### United States Supplier Address

Buckeye International, Inc.  
2700 Wagner Place  
Maryland Heights, MO 63043 USA  
1-314-291-1900

### 24 hr Emergency Telephone Numbers

TRANSPORTATION - INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

MEDICAL - 1-651-632-8956 (International) 1-800-303-0441 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear purple solution

**Physical state** Liquid

**Odour** Lavender fragrance added

### Classification

Serious eye damage/eye irritation

Category 2

### Label Elements

#### Signal word

Warning

#### Hazard statements

Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable.

**Mixture**

Chemical Name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Borax	1303-96-4	5	-	-
Citric Acid	77-92-9	2	-	-

### 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 doctor if irritation persists.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a doctor.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Drink 2-3 large glasses of water. Do NOT induce vomiting. Call a doctor. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects**

<b>Symptoms</b>	Contact will cause irritation and redness to exposed areas. Can cause defatting of skin tissue.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to doctors</b>	Treat symptomatically. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.
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## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	Not determined.
<b>Specific hazards arising from the chemical</b>	Combustion products may be toxic.
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

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

### 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 cleaning up** Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 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 face, hands and any exposed skin thoroughly after handling. Keep containers closed when not in use.

### 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.

**Incompatible materials** Chlorine bleach

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

Chemical Name	Canada - Alberta - Occupational Exposure Limits - Ceilings	Canada - British Columbia - Occupational Exposure Limits - Ceilings	Canada - Ontario - Occupational Exposure Limits - Ceilings	Quebec
Borax 1303-96-4	TWA: 1 mg/m <sup>3</sup> STEL: 3 ppm	TWA: 2 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>	TWA: 5 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** Use safety glasses or chemical splash goggles.

**Skin and body protection** Wear rubber gloves or other impervious gloves.

**Respiratory protection** No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**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>Appearance</b>	Clear purple solution
<b>Colour</b>	Clear purple
<b>Odour</b>	Lavender fragrance added
<b>Odour Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6.8 - 7.2 (conc.) 7.6 - 8.0 (1:32 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 (Water = 1)
<b>Evaporation Rate</b>	1.0	
<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>Vapour Pressure</b>	Not determined	
<b>Vapour Density</b>	Not determined	
<b>Relative Density</b>	1.038	
<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	

**Explosive properties** No information available.  
**Oxidising properties** No information available.

**Other Information**

**Softening Point** No information available  
**Molecular weight** No information available  
**VOC Content (%)** No information available  
**Density** No information available  
**Bulk Density** No information available

## 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 Polymerisation** Hazardous polymerisation 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** Causes serious eye irritation.

**Skin contact** Avoid contact with skin.

**Inhalation** Avoid breathing vapours or mists.

**Ingestion** Do not ingest.

**Information on physical, chemical and toxicological effects**

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

**Numerical measures of toxicity**

Not determined

**Acute Toxicity**

**Unknown acute toxicity** No information available

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Borax 1303-96-4	= 3493 mg/kg ( Rat ) = 2660 mg/kg ( Rat )	> 10000 mg/kg ( Rabbit )	-
Citric Acid 77-92-9	= 3 g/kg ( Rat ) = 3000 mg/kg ( Rat )	-	-

**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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Borax 1303-96-4	-	Group 2A	-	X

**Reproductive toxicity** Sodium Borate: Sodium borate and boric acid interfere with sperm production, damage the testes and interfere with male fertility when given to animals by mouth at high doses. Boric acid produces developmental effects, including reduced body weight, malformations and death, in the offspring of pregnant animals given boric acid by mouth. The above mentioned animal studies were conducted under exposure conditions leading to doses many times in excess of those that could occur through product use or inhalation of dust in occupational settings. Moreover, a human study of occupational exposure to sodium borate and boric acid dusts showed no adverse effect on fertility.

**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.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Citric Acid 77-92-9	-	1516: 96 h Lepomis macrochirus mg/L LC50 static	-	120: 72 h Daphnia magna mg/L EC50

**Persistence/Degradability** No information available.

**Bioaccumulation** No information available.

**Mobility** .

Chemical Name	Partition Coefficient
Citric Acid 77-92-9	-1.72

**Other Adverse Effects** No information available.

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**TDG** Not regulated

IATA Not regulatedIMDG Not regulated**15. REGULATORY INFORMATION****REGULATORY INFORMATION****International Regulations**

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

**International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Borax	X	X		Present	X	Present	X	X
Citric 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/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

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<u>NFPA</u>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special Hazards</b> Not determined
<u>HMIS</u>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Physical hazards</b> Not determined	<b>Personal Protection</b> Not determined

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation
<b>Issue Date:</b>	06-Jan-2012

Revision Date: 11-May-2017

Revision Note: Canadian 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**