



# Safety Data Sheet

Issue Date: 06-Jan-2012

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Version 2

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

### 1.1. Product Identifier

SDS #	BE-6031-EU
Product Code	6031, E/S 6031
Product Name	Buckeye Eco pH Neutral Cleaner

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

Recommended Use	pH Neutral Cleaner, Water Based
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### 1.3. Details of the Supplier of the Safety Data Sheet

<b>Importer</b>	<b>REACH Only Representative</b>	<b>Supplier</b>
UK Contact Lewis Kirby, EU General Manager 25 Frances Brady Way Kingston Upon Hull HU9 3BW UK	TSGE TSGE@TSGEurope.com	Buckeye International, Inc. 2700 Wagner Place Maryland Heights, MO 63043 USA

### For further information, please contact

<b>Contact Point</b>	Lewis Kirby, EU General Manager: +4407792782066 Buckeye International, Inc.: 1-314-291-1900
<b>Email Address</b>	<a href="mailto:info@buckeyeinternational.com">info@buckeyeinternational.com</a>

### 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

Serious eye damage/eye irritation	Category 2 - (H316)
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### 2.2. Label Elements

Product Identifier



Signal Word  
Warning

**Hazard statements**

H319 - Causes serious eye irritation

**Precautionary Statements - EU (§28, 1272/2008)**

P264 - Wash face, hands and any exposed skin thoroughly after handling

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

P337 + P313 - If eye irritation persists: Get medical advice/attention

**2.3. Other Hazards**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. MIXTURES**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Borax	-	1303-96-4	5	Repr. 1B (H360FD)	Not determined
Citric Acid	Present	77-92-9	2	Met. Corr. 1 (H290) (Self-Classification)	Not determined

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

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical Name	CAS No	SVHC candidates
Borax	1303-96-4	X

**Section 4: FIRST AID MEASURES****4.1. Description of 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.

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

<b>Symptoms</b>	Contact will cause irritation and redness to exposed areas. Can cause defatting of skin tissue.
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**4.3. Indication of any Immediate Medical Attention and Special Treatment Needed**

<b>Notes to Physician</b>	Treat symptomatically. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.
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## Section 5: FIREFIGHTING 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.

<b>Hazardous Combustion Products</b>	Carbon oxides.
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### 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

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

### 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**

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.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

### 7.2. 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.

**7.3. Specific End Use(s)****Specific Use(s)**

pH Neutral Cleaner, Water Based.

**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**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Borax 1303-96-4	-	STEL: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	STEL: 6 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Borax 1303-96-4	-	STEL: 6 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	-	-	TWA: 2 mg/m <sup>3</sup> Skin
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Borax 1303-96-4	-	STEL: 5 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>

**8.2. Exposure Controls****Engineering Controls**

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

**Personal Protective Equipment****Eye/Face Protection**

Use safety glasses or chemical splash goggles.

**Hand Protection**

Wear rubber gloves or other impervious gloves.

**Skin and Body Protection**

Suitable protective clothing.

**Respiratory Protection**

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

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on Basic Physical and Chemical Properties**

<b>Physical state</b>	Liquid		
<b>Appearance</b>	Clear purple solution	<b>Odour</b>	Lavender fragrance added
<b>Colour</b>	Clear purple	<b>Odour Threshold</b>	Not determined
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<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	
<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>Vapour Pressure</b>	Not determined		
<b>Vapour Density</b>	Not determined		
<b>Relative Density</b>	1.038		
<b>Water Solubility</b>	Infinite		
<b>Solubility(ies)</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidising Properties	Not determined	

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not reactive under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

#### **Sensitivity to Mechanical Impact**

None.

#### **Sensitivity to Static Discharge**

None.

### 10.3. Possibility of Hazardous Reactions

#### **Hazardous Polymerisation**

Hazardous polymerisation does not occur.

#### **Possibility of Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to Avoid

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

### 10.5. Incompatible Materials

Chlorine bleach.

### 10.6. Hazardous Decomposition Products

Carbon oxides.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

#### **Acute Toxicity**

#### Product Information

<b>Inhalation</b>	Avoid breathing vapours or mists.
<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Ingestion</b>	Do not ingest.

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

<b>ATEmix (oral)</b>	7,969.00 mg/kg
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**Unknown Acute Toxicity**

27 % of the mixture consists of ingredient(s) of unknown toxicity.

15 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

22 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

27 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

27 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).

27 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium xylenesulfonate	= 1000 mg/kg (Rat)		
Borax	= 3493 mg/kg (Rat) = 2660 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	
Citric Acid	= 3 g/kg (Rat) = 3000 mg/kg (Rat)		

**Skin corrosion/irritation** Not classified.

**Serious eye damage/eye irritation** Not classified.

**Sensitisation** Not classified.

**Germ cell mutagenicity** Not classified.

**Carcinogenicity** Not classified.

**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.

**STOT - single exposure** Not classified.

**STOT - repeated exposure** Not classified.

**Aspiration hazard** Not classified.

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Citric Acid		1516: 96 h Lepomis macrochirus mg/L LC50 static	120: 72 h Daphnia magna mg/L EC50

**12.2. Persistence and Degradability**

Not determined.

**12.3. Bioaccumulative Potential**

Chemical Name	Partition Coefficient
Citric Acid	-1.72

**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****IMDG**

14.2 Proper Shipping Name Not regulated

**RID**

14.2 Proper Shipping Name Not regulated

**ADR**

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****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.

**Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories**

Component	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Borax 1303-96-4 (5)	X	X	-	X	Present	X	X	Present

Component	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Citric Acid 77-92-9 (2)	X	X	X	X	Present	X	X	Present

**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****Full text of H-Statements referred to under section 3**

H360FD - May damage fertility. May damage the unborn child

**Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Classification Procedure**

Calculation method

**Issue Date:** 06-Jan-2012

**Revision Date:** 04-Dec-2017

**Revision Note:** Regulatory update.

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

**Disclaimer**

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End of Safety Data Sheet