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Version 1

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

### 1.1. Product Identifier

**SDS #** BE-5260-EU  
**Product Code** 5260  
**Product Name** Buckeye Sparkle

**1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against Recommended Use** General purpose acid cleaner Waterbased

### 1.3. Details of the Supplier of the Safety Data Sheet

<b>Importer</b> UK Contact David Pinder, EU General Manager 12 Paskin Close Fradley Village, NR Lichfield Staffordshire, WS13 8NZ UK	<b>REACH Only Representative</b> TSGE TSGE@TSGEurope.com	<b>Supplier</b> Buckeye International, Inc. 2700 Wagner Place Maryland Heights, MO 63043 USA
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For further information, please contact

**Contact Point** David Pinder, EU General Manager: 011447788432884  
 Buckeye International, Inc.: 1-314-291-1900  
**Email Address** info@buckeyeinternational.com

### 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

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 1
Chronic aquatic toxicity	Category 2

#### Classification according to 67/548/EEC

Full text of R-phrases: see section 16

#### Hazard Symbols

C - Corrosive

#### R-code(s)

C;R34

**2.2. Label Elements****Signal Word**

Danger

**Hazard Statements**

H332 - Harmful if inhaled

H318 - Causes serious eye damage

H411 - Toxic to aquatic life with long lasting effects

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

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P271 - Use only outdoors or in a well-ventilated area

P264 - Wash skin thoroughly after handling

P273 - Avoid release to the environment

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P501 - Dispose of contents/ container to an approved waste disposal plant

P391 - Collect spillage

**2.3. Other Hazards****General Hazards**

None known

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

Chemical Name	EC No	CAS No	Weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Phosphoric acid	Present	7664-38-2	36.3	C; R34	Skin Corr. 1B (H314) Skin Corr. 1B (H314) Met. Corr. 1 (H290)	Not determined

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

**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 physician immediately.
<b>Skin Contact</b>	Wash area 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.

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

<b>Symptoms</b>	Contact will cause irritation and redness to exposed areas. May cause redness, pain, and severe skin burns. May cause severe irritation with redness, pain, and blurred vision.
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**4.3. Indication of any Immediate Medical Attention and Special Treatment Needed**

<b>Notes to Physician</b>	Treat symptomatically.
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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. Phosphorus 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**

Collect spillage.

**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** Dilute with large amounts of water. Pick up with mops into a plastic bucket. Wash area with an alkaline detergent, followed by a clear water rinse. Allow floor to dry before allowing traffic.

**6.4. Reference to Other Sections**

See Section 13, Disposal Considerations, for additional information.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for Safe Handling****Advice on Safe Handling**

Keep out of the reach of children. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Avoid release to the environment.

**General Hygiene Considerations**

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

**7.2. 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 on low shelves. Store away from incompatible materials. Store at room temperature.

**Packaging Materials** Rinse container before discarding.

**7.3. Specific End Use(s)****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
Phosphoric acid 7664-38-2	TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 0.2 ppm TWA: 1 mg/m <sup>3</sup> STEL: 0.5 ppm STEL: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> Ceiling / Peak: 4 mg/m <sup>3</sup>
Component	Italy	Portugal	Netherlands	Finland	Denmark
Phosphoric acid 7664-38-2 ( 36.3 )	TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Phosphoric acid 7664-38-2	STEL: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>

**8.2. Exposure Controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Personal Protective Equipment**

**Eye/Face Protection** Splash goggles or safety glasses.  
**Hand Protection** Rubber gloves.  
**Skin and Body Protection** Normal work clothing (long sleeved shirts and long pants) is recommended.  
**Respiratory Protection** Provide adequate ventilation.

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

<b>Physical State</b>	Liquid	<b>Odor</b>	Floral
<b>Appearance</b>	Clear purple solution	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear purple		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	<1.0 (conc) 1.9 ± 0.2 (1:128 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>	n/a-liquid	
<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>Specific Gravity</b>	1.23	
<b>Water Solubility</b>	Infinite	
<b>Solubility(ies)</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Autoignition 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	

**9.2. Other information****SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Not reactive under normal conditions

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of Hazardous Reactions****Hazardous Polymerization**

Hazardous polymerization does not occur.

**Possibility of Hazardous Reactions**

None under normal processing.

**10.4. Conditions to Avoid**

Avoid contact with ferrous metals and Formica.

**10.5. Incompatible Materials**

Chlorine bleach. Caustics. Alkalis.

**10.6. Hazardous Decomposition Products**

Carbon oxides. Phosphorous oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on Toxicological Effects****Acute Toxicity****Product Information****Eye Contact** Causes serious eye damage.**Inhalation** Harmful if inhaled.

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

Oral LD50	4,215.00
UNITS	mg/kg
Dermal LD50	7,521.00
UNITS	mg/kg
Inhalation	
Mist	1.18
UNITS	mg/L
Vapor	2,342.00
UNITS	mg/L

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphoric acid	= 1530 mg/kg ( Rat )	= 2730 mg/kg ( Rabbit )	> 850 mg/m <sup>3</sup> ( Rat ) 1 h

**Symptoms** Please see section 4 of this SDS for symptoms.**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

Toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Phosphoric acid		3 - 3.5: 96 h <i>Gambusia affinis</i> mg/L LC50	4.6: 12 h <i>Daphnia magna</i> mg/L EC50

**12.2. Persistence and Degradability**

Not determined.

**12.3. Bioaccumulative Potential**

Not determined.

**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**

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

**IMDG**

- 14.1 UN/ID No UN1760
- 14.2 Proper Shipping Name Corrosive liquid, n.o.s. (phosphoric acid)
- 14.3 Hazard Class 8
- 14.4 Packing Group III
- 14.5
- 14.6
- 14.7

**RID**

- 14.1 UN/ID No UN1760
- 14.2 Proper Shipping Name Corrosive liquid, n.o.s. (Phosphoric acid)
- 14.3 Hazard Class 8
- 14.4 Packing Group III
- 14.5
- 14.6

**ADR**

- 14.1 UN/ID No UN1760
- 14.2 Proper Shipping Name Corrosive liquid, n.o.s. (Phosphoric acid)
- 14.3 Hazard Class 8
- 14.4 Packing Group III
- 14.5
- 14.6

**ICAO (air)**

- 14.1 UN/ID No UN1760
- 14.2 Proper Shipping Name Corrosive liquid, n.o.s. (Phosphoric acid)
- 14.3 Hazard Class 8
- 14.4 Packing Group III
- 14.5
- 14.6

**IATA**

- 14.1 UN/ID No UN1760
- 14.2 Proper Shipping Name Corrosive liquid, n.o.s. (Phosphoric acid)
- 14.3 Hazard Class 8
- 14.4 Packing Group III
- 14.5
- 14.6

**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

**International Inventories**

TSCA	Listed
EINECS/ELINCS	-
DSL/NDSL	-
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-

**Legend**

**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 R-phrases referred to under sections 2 and 3**

R34 - Causes burns

**Classification Procedure**

Calculation method

Expert judgment and weight of evidence determination

<b>Issue Date</b>	27-Dec-2011
<b>Revision Date:</b>	02-Aug-2013
<b>Revision Note</b>	New format.

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

**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