



# Safety Data Sheet

Issue Date: 12-Nov-2012

Revision Date: 11-May-2017

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Buckeye Eco Muscle Cleaner

### Other means of identification

**SDS #** BE-6014-CA

**Product Code** E 6014  
**Synonyms** None

**UN/ID No** UN1760

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

**Recommended Use** Concentrated Spray and Wipe Cleaner, Water Based

**Uses Advised Against** No information available

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

#### Initial Supplier Identifier

The Cleaning House  
973 Barton St. E  
Hamilton, ON L8L 3C4  
905/547-2636

#### 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** Orange/red solution

**Physical state** Liquid

**Odour** None No fragrance added

### Classification

Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1

### Label Elements

**Signal word**  
Danger

**Hazard statements**

Causes severe skin burns and eye damage

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapours/spray

Wash face, hands and any exposed skin thoroughly after handling

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

**Precautionary Statements - Response**

Immediately call a POISON CENTRE or doctor

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

Immediately call a POISON CENTRE or doctor

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTRE or doctor

IF SWALLOWED: rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Information**

Harmful to aquatic life with long lasting effects

**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)
Phenoxyethanol	122-99-6	20	-	-
Benzyl alcohol	100-51-6	20	-	-
Octanoic Acid	124-07-2	10	-	-
Dodecyl benzene sulfonic acid	27176-87-0	4	-	-
Sodium hydroxide	1310-73-2	3	-	-

## 4. FIRST AID MEASURES

### First Aid Measures

<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor/physician.
<b>Skin contact</b>	Remove/take off immediately all contaminated clothing. Rinse skin with water [or 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. Immediately call a poison centre or doctor/physician.
<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>	Causes severe skin burns and eye damage.
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### Indication of any immediate medical attention and special treatment needed

<b>Note to doctors</b>	Treat symptomatically.
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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. Nitrogen oxides (NOx). Sulphur 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

<b>Personal precautions</b>	Use personal protection recommended in Section 8.
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### Environmental precautions

<b>Environmental precautions</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.
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### Methods and material for containment and cleaning up

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
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<b>Methods for cleaning up</b>	Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on safe handling</b>	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. Do not breathe dust/fume/gas/mist/vapours/spray. Keep containers closed when not in use.
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### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store at room temperature. Store locked up.
<b>Packaging materials</b>	May damage some plastics.
<b>Incompatible materials</b>	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
Phenoxyethanol 122-99-6			TWA: 25 ppm TWA: 141 mg/m <sup>3</sup> Skin	
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	CEV: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

### Appropriate engineering controls

<b>Engineering controls</b>	Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.
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### Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Use safety glasses or chemical splash goggles.
<b>Skin and body protection</b>	Wear rubber gloves or other impervious gloves.
<b>Respiratory protection</b>	No protection is ordinarily required under normal conditions of use and with adequate ventilation.
<b>General hygiene considerations</b>	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
Appearance	Orange/red solution
Colour	Red-orange
Odour	None No fragrance added
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	10.4 ± 0.2 (conc) 10.2 ± 0.2 (1:6 dilution)	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	None	Tag Closed Cup
Evaporation Rate	1.0	(Water = 1)
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limits in Air		
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapour Pressure	Not determined	
Vapour Density	Not determined	
Relative Density	1.058	(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	No information available.	
Oxidising properties	No information available.	
<u>Other Information</u>		
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. Nitrogen oxides (NOx). Sulphur oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye contact</b>	Causes severe eye damage.
<b>Skin contact</b>	Causes severe skin burns.
<b>Inhalation</b>	Avoid breathing vapours or mists.
<b>Ingestion</b>	May be harmful if swallowed.

### 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
Phenoxyethanol 122-99-6	= 1260 mg/kg ( Rat )	= 5 mL/kg ( Rabbit )	-
Benzyl alcohol 100-51-6	= 1230 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	= 8.8 mg/L ( Rat ) 4 h
Octanoic Acid 124-07-2	= 10080 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Dodecyl benzene sulfonic acid 27176-87-0	= 1260 mg/kg ( Rat )	631 - 1000 mg/kg ( Rabbit )	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-

### 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.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Phenoxyethanol 122-99-6	500: 72 h Desmodesmus subspicatus mg/L EC50	220 - 460: 96 h Leuciscus idus mg/L LC50 static 366: 96 h Pimephales promelas mg/L LC50 static 337 - 352: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 32.4 mg/L 5 min EC50 = 880 mg/L 17 h	500: 48 h Daphnia magna mg/L EC50
Benzyl alcohol 100-51-6	35: 3 h Anabaena variabilis mg/L EC50	10: 96 h Lepomis macrochirus mg/L LC50	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min	23: 48 h water flea mg/L EC50

		static 460: 96 h Pimephales promelas mg/L LC50 static	EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min	
Octanoic Acid 124-07-2	-	110: 96 h Brachydanio rerio mg/L LC50 semi- static 310: 96 h Oryzias latipes mg/L LC50 semi- static	-	170: 24 h Daphnia magna mg/L EC50
Dodecyl benzene sulfonic acid 27176-87-0	29: 96 h Pseudokirchneriella subcapitata mg/L EC50	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static 3.5 - 10: 96 h Brachydanio rerio mg/L LC50 static	-	5.88: 48 h Daphnia magna mg/L EC50
Sodium hydroxide 1310-73-2	-	45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	-	-

**Persistence/Degradability** No information available.

**Bioaccumulation** No information available.

**Mobility** .

Chemical Name	Partition Coefficient
Phenoxyethanol 122-99-6	1.13
Benzyl alcohol 100-51-6	1.1
Octanoic Acid 124-07-2	2.92

**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

**UN/ID No** UN1760  
**Proper Shipping Name** Corrosive liquid, n.o.s. (Octanoic acid, Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** III

#### TDG

**UN/ID No** UN1760  
**Proper Shipping Name** Corrosive liquid, n.o.s. (Octanoic acid, Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** III

**IATA**

UN/ID No UN1760  
 Proper Shipping Name Corrosive liquid, n.o.s. (Octanoic acid, Sodium hydroxide)  
 Hazard Class 8  
 Packing Group III

**IMDG**

UN/ID No UN1760  
 Proper Shipping Name Corrosive liquid, n.o.s. (Octanoic acid, Sodium hydroxide)  
 Hazard Class 8  
 Packing Group III

<b>15. REGULATORY INFORMATION</b>
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**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
Phenoxyethanol	X	X	X	Present	X	Present	X	X
Benzyl alcohol	X	X	X	Present	X	Present	X	X
Octanoic Acid	X	X	X	Present	X	Present	X	X
Dodecyl benzene sulfonic acid	X	X	X	Present	X	Present	X	X
Sodium hydroxide	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**

<b>NFPA</b>	<b>Health Hazards</b> 2	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special Hazards</b> Not determined
<b>HMIS</b>	<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>	12-Nov-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**