



Safety Data Sheet

Issue Date 14-Jan-2013

Revision Date: 02-Aug-2013

Version 1

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

1.1. Product Identifier

SDS # BE-6014-EU
Product Code 6014, E6014
Product Name Buckeye Eco Muscle Cleaner

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against
Recommended Use Concentrated spray and wipe cleaner Waterbased

1.3. Details of the Supplier of the Safety Data Sheet

<u>Importer</u> UK Contact David Pinder, EU General Manager 12 Paskin Close Fradley Village, NR Lichfield Staffordshire, WS13 8NZ UK	<u>REACH Only Representative</u> TSGE TSGE@TSGEurope.com	<u>Supplier</u> 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

Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1
Chronic aquatic toxicity	Category 3

Classification according to 67/548/EEC

Full text of R-phrases: see section 16

Hazard Symbols

C - Corrosive

R-code(s)

Xn;R22 - C;R34

2.2. Label Elements**Signal Word**

Danger

Hazard Statements

H314 - Causes severe skin burns and eye damage

H412 - Harmful to aquatic life with long lasting effects

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

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

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

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P363 - Wash contaminated clothing before reuse

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

P301 + P310 - IF SWALLOWED: 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

P405 - Store locked up

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

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
Phenoxyethanol	Present	122-99-6	<20	Xn; R22 Xi; R36	Acute Tox. 4 (H302) Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Eye Irrit. 2 (H319)	Not determined
Benzyl alcohol	Present	100-51-6	<20	Xn; R20/22	Acute Tox. 4 (H302) Acute Tox. 4 (H332)	Not determined
Octanoic Acid	Present	124-07-2	<10	-	Skin Corr. 1B (H314)	Not determined
Sodium hydroxide	Present	1310-73-2	<3	C; R35	Skin Corr. 1A (H314) Skin Corr. 1A (H314) Met. Corr. 1 (H290) Eye Dam. 1 (H318)	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**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	Drink 2-3 large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

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

Symptoms	Contact may cause irritation and redness. Can cause defatting of skin tissue.
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4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	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

Hazardous Combustion Products

Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur.

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

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, 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. Do not breathe dust/fume/gas/mist/vapors/spray.

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 at room temperature. Store locked up.

Packaging Materials

May damage some plastics.

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
Phenoxyethanol 122-99-6					TWA: 20 ppm TWA: 110 mg/m ³ Ceiling / Peak: 40 ppm Ceiling / Peak: 220 mg/m ³ Skin
Sodium hydroxide 1310-73-2		STEL: 2 mg/m ³	TWA: 2 mg/m ³	STEL: 2 mg/m ³	
Component	Italy	Portugal	Netherlands	Finland	Denmark
Phenoxyethanol 122-99-6 (<20)				TWA: 20 ppm TWA: 110 mg/m ³ STEL: 50 ppm STEL: 290 mg/m ³ Skin	
Benzyl alcohol 100-51-6 (<20)				TWA: 10 ppm TWA: 45 mg/m ³	
Sodium hydroxide 1310-73-2 (<3)		Ceiling: 2 mg/m ³		STEL: 2 mg/m ³ Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Phenoxyethanol 122-99-6	Skin STEL 20 ppm STEL 110 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³ Ceiling 20 ppm Ceiling 110 mg/m ³	Skin STEL: 40 ppm STEL: 220 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³	TWA: 230 mg/m ³		
Benzyl alcohol 100-51-6			TWA: 240 mg/m ³		
Sodium hydroxide 1310-73-2	STEL 4 mg/m ³ TWA: 2 mg/m ³	STEL: 2 mg/m ³ TWA: 2 mg/m ³	STEL: 1 mg/m ³ TWA: 0.5 mg/m ³	Ceiling: 2 mg/m ³	STEL: 2 mg/m ³

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 Suitable protective clothing.
Respiratory Protection No protective equipment is needed under normal use conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	None No fragrance added
Appearance	Orange/red solution	Odor Threshold	Not determined
Color	Red-orange		
Property	Values	Remarks • Method	
pH	10.4 ± 0.2 (conc) 10.2 ± 0.2 (1:6 dilution)		
Melting Point/Freezing Point	0 °C / 32 °F		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	None	Tag Closed Cup (Water = 1)	
Evaporation Rate	1.0		
Flammability (Solid, Gas)	n/a-liquid		
Flammability Limits in Air			
Upper Flammability Limits	Not applicable		
Lower Flammability Limit	Not applicable		
Vapor Pressure	1.0 mm Hg	@20°C	
Vapor Density	Not determined		
Specific Gravity	1.058	(1=Water)	
Water Solubility	Infinite		
Solubility(ies)	Not determined		
Partition Coefficient	Not determined		
Autoignition Temperature	Not applicable		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	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

Keep out of reach of children.

10.5. Incompatible Materials

Chlorine bleach.

10.6. Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

Eye Contact Causes severe eye damage.
Skin Contact Causes severe skin burns.

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

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

Oral LD50	2,432.00
UNITS	mg/kg
Dermal LD50	7,031.00
UNITS	mg/kg
Inhalation	
Gas	3,500.00
UNITS	mg/L
Mist	7.50
UNITS	mg/L
Vapor	44.00
UNITS	mg/L

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol	= 1230 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
Phenoxyethanol	= 1260 mg/kg (Rat)	= 5 mL/kg (Rabbit) = 14422 mg/kg (Rat)	
Octanoic Acid	= 10080 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Dodecyl benzene sulfonic acid	= 500 mg/kg (Rat)		
Sodium hydroxide		= 1350 mg/kg (Rabbit)	

Symptoms

Please see section 4 of this SDS for symptoms.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Harmful to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Phenoxyethanol	500: 72 h <i>Desmodemus subspicatus</i> mg/L EC50	337 - 352: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 366: 96 h <i>Pimephales promelas</i> mg/L LC50 static 220 - 460: 96 h <i>Leuciscus idus</i> mg/L LC50 static	500: 48 h <i>Daphnia magna</i> mg/L EC50
Benzyl alcohol	35: 3 h <i>Anabaena variabilis</i> mg/L EC50	460: 96 h <i>Pimephales promelas</i> mg/L LC50 static 10: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	23: 48 h water flea mg/L EC50
Octanoic Acid		310: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static 110: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static	170: 24 h <i>Daphnia magna</i> mg/L EC50
Sodium hydroxide		45.4: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Phenoxyethanol	1.13
Benzyl alcohol	1.1
Octanoic Acid	2.92

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

14.1 UN/ID No UN1760
 14.2 Proper Shipping Name Corrosive liquid, n.o.s. (Octanoic acid, Sodium hydroxide)
 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. (Octanoic acid, Sodium hydroxide)
 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. (Octanoic acid, Sodium hydroxide)
 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. (Octanoic acid, Sodium hydroxide)
 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. (Octanoic acid, Sodium hydroxide)
 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**Occupational Illnesses (R-463-3, France)**

Chemical Name	French RG number	Title
Phenoxyethanol 122-99-6	RG 84	
Benzyl alcohol 100-51-6	RG 84	

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**

R22 - Harmful if swallowed

R36 - Irritating to eyes

R35 - Causes severe burns

R34 - Causes burns

R20/22 - Harmful by inhalation and if swallowed

Classification Procedure

Calculation method

Issue Date 14-Jan-2013

Revision Date: 02-Aug-2013

Revision Note 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