



Issue Date 14-Jan-2013

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Version 1

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

1.1. Product Identifier

SDS # BE-6015-EU
Product Code 6015, E6015
Product Name Buckeye Eco Hydrogen Peroxide Cleaner

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

1.3. Details of the Supplier of the Safety Data Sheet

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

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 2
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

Not dangerous

2.2. Label Elements



Signal Word

Danger

Hazard Statements

- H315 - Causes skin irritation
- H318 - Causes serious 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 hands and face thoroughly after handling
- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P362 - Take off contaminated clothing and wash 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
- P273 - Avoid release to the environment
- 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
Hydrogen Peroxide	Present	7722-84-1	<12	Xn; R20/22 C; R35 R5 O; R8	Acute Tox. 4 (H302) Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Corr. 1A (H314) Ox. Liq. 1 (H271) Skin Corr. 1A (H314) STOT SE 3 (inhalation) Ox. Liq. 1 (H271) Acute Tox. 4 (H332) Eye Dam. 1 (H318)	Not determined
Sodium xylenesulfonate	Present	1300-72-7	<2	-	Eye Irrit. 2 (H319)	Not determined
Alkylpolyglycoside C8-10	-	68515-73-1	<5	-	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. Seek immediate medical attention/advice.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air.
Ingestion	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

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. 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

Hazardous Combustion Products

Carbon oxides. Nitrogen oxides (NOx).

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. 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 at room temperature.

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
Hydrogen Peroxide 7722-84-1		STEL: 2 ppm STEL: 2.8 mg/m ³ TWA: 1 ppm TWA: 1.4 mg/m ³	TWA: 1 ppm TWA: 1.5 mg/m ³	TWA: 1 ppm TWA: 1.4 mg/m ³	TWA: 0.5 ppm TWA: 0.71 mg/m ³ Ceiling / Peak: 0.5 ppm Ceiling / Peak: 0.71 mg/m ³ Skin
Component	Italy	Portugal	Netherlands	Finland	Denmark
Hydrogen Peroxide 7722-84-1 (<12)		TWA: 1 ppm		TWA: 1 ppm TWA: 1.4 mg/m ³ STEL: 3 ppm STEL: 4.2 mg/m ³	TWA: 1 ppm TWA: 1.4 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Hydrogen Peroxide 7722-84-1	STEL 2 ppm STEL 2.8 mg/m ³ TWA: 1 ppm TWA: 1.4 mg/m ³	STEL: 0.5 ppm STEL: 0.71 mg/m ³ TWA: 0.5 ppm TWA: 0.71 mg/m ³	STEL: 4 mg/m ³ TWA: 1.5 mg/m ³	TWA: 1 ppm TWA: 1.4 mg/m ³ STEL: 3 ppm STEL: 2.8 mg/m ³	TWA: 1 ppm TWA: 1.5 mg/m ³ STEL: 2 ppm STEL: 3 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	Orange blossom
Appearance	Clear liquid	Odor Threshold	Not determined
Color	Not determined		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4.20 ± 0.2 (conc) 5.60 ± 0.5 (1:64 dilution)	
Melting Point/Freezing Point	0 °C / 32 °F	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	None	Tag Closed Cup
Evaporation Rate	1.0	(Water = 1)
Flammability (Solid, Gas)	n/a-liquid	
Flammability Limits in Air		
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.025	(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).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

Eye Contact Causes serious eye damage.

Skin Contact Causes skin irritation.

Unknown Acute Toxicity 26.75% 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	18,112.00
UNITS	mg/kg
Inhalation	
Mist	48.00
UNITS	mg/L
Vapor	48.00
UNITS	mg/L

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen Peroxide	= 801 mg/kg (Rat)	= 4060 mg/kg (Rat) = 2000 mg/kg (Rabbit)	= 2 mg/L (Rat) 4 h
Sodium xylenesulfonate	= 7200 mg/kg (Rat)		

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
Hydrogen Peroxide	2.5: 72 h Chlorella vulgaris mg/L EC50	16.4: 96 h Pimephales promelas mg/L LC50 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static	7.7: 24 h Daphnia magna mg/L EC50 18 - 32: 48 h Daphnia magna mg/L EC50 Static

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

IMDG

14.1 UN/ID No Not regulated
14.2
14.3
14.4
14.5
14.6
14.7

RID

14.1 UN/ID No Not regulated
14.2
14.3
14.4
14.5
14.6

ADR

14.1 UN/ID No Not regulated
14.2
14.3
14.4
14.5
14.6

ICAO (air)

14.1 UN/ID No Not regulated
14.2
14.3
14.4
14.5
14.6

IATA

14.1 UN/ID No Not regulated

14.2

14.3

14.4

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

R35 - Causes severe burns

R8 - Contact with combustible material may cause fire

R5 - Heating may cause an explosion

R20/22 - Harmful by inhalation and if swallowed

Classification Procedure

Calculation method

Issue Date 14-Jan-2013

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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