



Safety Data Sheet

Issue Date: 31-Mar-2015

Revision Date: 06-Dec-2018

Version 2

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

1.1. Product Identifier

SDS #	BE-6051-EU
Product Code	6051
Product Name	Buckeye Eco E51

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Water based carpet spotter

1.3. Details of the Supplier of the Safety Data Sheet

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

For further information, please contact

Contact Point	Lewis Kirby, EU General Manager: +4407792782066
Email Address	Buckeye International, Inc.: 1-314-291-1900 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

Chronic aquatic toxicity	Category 2 - (H411)
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2.2. Label Elements

Product Identifier



Hazard statements

H411 - Toxic to aquatic life with long lasting effects

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

P273 - Avoid release to the environment

P391 - Collect spillage

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

2.3. Other Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 MIXTURE**

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Hydrogen Peroxide	Present	7722-84-1	<5	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Corr. 1A (H314) Ox. Liq. 1 (H271)	Not determined

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

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES**4.1. Description of First Aid Measures****Eye Contact**

Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses after the first five minutes if present, then continue rinsing eye. If irritation occurs and persists, seek medical advice.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation occurs: Get medical advice/attention.

Inhalation

Remove to fresh air.

Ingestion

Give two large glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

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

Contact with eyes may cause slight eye irritation. Substance may cause slight skin irritation.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed**Notes to Physician**

Treat symptomatically.

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

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

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 clean water and dry before permitting 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**

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.

General Hygiene Considerations

Wash thoroughly with soap and water after handling.

7.2. Conditions for Safe Storage, Including any Incompatibilities**Storage Conditions**

Keep container closed when not in use. Store at room temperature.

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

Water based carpet spotter.

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	-
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Hydrogen Peroxide 7722-84-1	-	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: 2 ppm STEL: 2.8 mg/m ³ TWA: 1 ppm TWA: 1.4 mg/m ³	STEL: 0.8 mg/m ³ TWA: 0.4 mg/m ³	TWA: 1 ppm TWA: 1.4 mg/m ³ STEL: 2 ppm STEL: 2.8 mg/m ³	TWA: 1 ppm TWA: 1.5 mg/m ³ STEL: 3 mg/m ³ STEL: 2 ppm

8.2. Exposure Controls

Engineering Controls Maintain adequate ventilation.

Personal Protective Equipment

Eye/Face Protection Use splash goggles and face shield when eye contact may occur.

Hand Protection Wear rubber OR chemical impervious gloves to protect skin.

Skin and Body Protection Normal work clothing (long sleeved shirts and long pants) is recommended. Footwear that keeps feet dry is suggested.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical state	Liquid	Odour	Fresh and clean fragrance
Appearance	Clear liquid	Odour Threshold	Not determined
Colour	Clear	Remarks • Method	
Property	Values		
pH	3.98		
Melting point / freezing point	Not determined		
Boiling point / boiling range	100 °C / 212 °F		
Flash point	None		
Evaporation Rate	1.0	(n-BuAc =1)	
Flammability (Solid, Gas)	Liquid-Not applicable		
Flammability Limit in Air			
Upper flammability or explosive limits	Not available		
Lower flammability or explosive limits	Not available		
Vapour Pressure	Not determined		
Vapour Density	Not determined		
Relative Density	1.035		
Water Solubility	Mostly Soluble		
Solubility(ies)	Not determined		
Partition Coefficient	Not determined		
Autoignition temperature	Not determined		

Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidising Properties	Not determined

9.2. Other information

Liquid Density 1.035 gr/ml

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 Polymerisation**

Under normal conditions of storage and use, hazardous polymerization will not occur.

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Incompatible Materials.

10.5. Incompatible Materials

Do not mix with chlorinated detergents (bleach).

10.6. Hazardous Decomposition Products

Oxides of carbon. Oxides of nitrogen.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects**Acute toxicity****Product Information**

Inhalation	Do not inhale.
Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.
Ingestion	Do not ingest.

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

ATEmix (oral)	15,708.00 mg/kg
ATEmix (inhalation-dust/mist)	36.50 mg/L

Unknown Acute Toxicity

- 3.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 8.844 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 8.844 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 8.844 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 4.73 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen Peroxide	= 1518 mg/kg (Rat)	= 9200 mg/kg (Rabbit)	= 2000 mg/m ³ (Rat) 4 h
Sodium xylenesulfonate	= 1000 mg/kg (Rat)		
Potassium Nitrate	= 3015 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	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

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

Toxic 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

There is no data for this product.

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/NDL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Hydrogen Peroxide 7722-84-1 (<5)	X	X	X	X	X	X	X	X
Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- 34398-01-1 (<5)	X	X	X	X	-	X	X	X
Sodium xylenesulfonate 1300-72-7 (<5)	X	X	X	X	X	X	X	X
Alkylpolyglycoside C10-16 110615-47-9 (<1)	X	X	-	X	X	X	X	X
Alkylpolyglycoside C8-10 68515-73-1 (<1)	X	X	X	X	X	X	X	X
Potassium Nitrate 7757-79-1 (<1)	X	X	X	X	X	X	X	X

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**

H302 - Harmful if swallowed
H332 - Harmful if inhaled
H314 - Causes severe skin burns and eye damage
H271 - May cause fire or explosion; strong oxidiser

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: 31-Mar-2015
Revision Date: 06-Dec-2018
Revision Note: Regulatory update.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2015/830

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