



Safety Data Sheet

Issue Date: 31-Mar-2015

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Version 2

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

1.1. Product Identifier

SDS # BE-6052-EU
Product Code E 6052
Product Name Buckeye Eco Extraction Cleaner

Contains Benzyl alcohol

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use water based extraction carpet cleaner

1.3. Details of the Supplier of the Safety Data Sheet

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

For further information, please contact

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

1.4. Emergency telephone number

Emergency Telephone (24 hr) 1-651-632-8956 (International)
1-800-303-0441 (North America) 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 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label Elements

Product Identifier
Contains Benzyl alcohol

**Signal Word**

Warning

Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

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

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

P280 - Wear protective gloves and eye/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - If skin irritation occurs: Get medical advice/attention

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

P337 + P313 - If eye irritation persists: Get medical advice/attention

2.3. Other Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Benzyl alcohol	Present	100-51-6	1-10	Acute Tox. 4 (H302) Acute Tox. 4 (H332)	Not determined
EDTA	Present	60-00-4	<5	Eye Irrit. 2 (H319)	Not determined
Borax	-	1303-96-4	<5	Repr. 1B (H360FD)	Not determined
Caustic Soda	Present	1310-73-2	<1	Skin Corr. 1A (H314)	Not determined
Ammonium hydroxide	Present	1336-21-6	<1	Skin Corr. 1B (H314) Aquatic Acute 1 (H400)	Not determined
Zinc oxide	Present	1314-13-2	<1	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Not determined

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

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical Name	CAS No	SVHC candidates
Borax	1303-96-4	X

Section 4: FIRST AID MEASURES**4.1. Description of First Aid Measures****General Advice**

If exposed or concerned: Get medical advice/attention.

Eye Contact

Flush with cool water for 15 minutes. If irritation occurs, call a physician.

Skin Contact	Wash with plenty of soap and water. Wash contaminated clothing before reuse. 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. Call a physician.

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

Symptoms Causes skin irritation. Causes serious eye irritation.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically.

Section 5: FIRE-FIGHTING 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 vapors.

Hazardous Combustion Products

Oxides of carbon. Oxides of nitrogen. 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.

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. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves.

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 extraction carpet cleaner.

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
Borax 1303-96-4		STEL: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³	STEL: 6 mg/m ³ TWA: 2 mg/m ³	
Caustic Soda 1310-73-2		STEL: 2 mg/m ³	TWA: 2 mg/m ³	STEL: 2 mg/m ³	
Zinc oxide 1314-13-2			TWA: 5 mg/m ³ TWA: 10 mg/m ³	STEL: 10 mg/m ³ TWA: 2 mg/m ³	TWA: 0.1 mg/m ³ TWA: 2 mg/m ³ Ceiling / Peak: 0.4 mg/m ³ Ceiling / Peak: 4 mg/m ³
Component	Italy	Portugal	Netherlands	Finland	Denmark
Benzyl alcohol 100-51-6 (1-10)				TWA: 10 ppm TWA: 45 mg/m ³	
Borax 1303-96-4 (<5)		STEL: 6 mg/m ³ TWA: 2 mg/m ³			TWA: 2 mg/m ³ Skin
Caustic Soda 1310-73-2 (<1)		Ceiling: 2 mg/m ³		STEL: 2 mg/m ³ Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³
Ammonium hydroxide 1336-21-6 (<1)				STEL: 50 ppm STEL: 36 mg/m ³	
Zinc oxide 1314-13-2 (<1)		STEL: 10 mg/m ³ TWA: 2 mg/m ³		TWA: 2 mg/m ³ STEL: 10 mg/m ³	TWA: 4 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Benzyl alcohol 100-51-6			TWA: 240 mg/m ³		
Borax 1303-96-4		STEL: 5 mg/m ³ TWA: 5 mg/m ³	STEL: 2 mg/m ³ TWA: 0.5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 15 mg/m ³
Caustic Soda 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
Zinc oxide 1314-13-2	TWA: 5 mg/m ³	STEL: 4 mg/m ³ TWA: 0.1 mg/m ³ TWA: 2 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 2 mg/m ³ STEL: 10 mg/m ³

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 gloves or other impervious gloves.
Skin and Body Protection Wear suitable protective clothing. 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		
Property	Values	Remarks • Method	
pH	pH (Concentrate) 9.4 ± 0.2 pH (1:8) 8.2 ± 0.2		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	None		
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		
Specific Gravity	1.04		
Water Solubility	Infinite		
Solubility(ies)	Not determined		
Partition Coefficient	Not determined		
Auto-ignition 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

Density 1.04 gr/ml or 8.67 lbs/gal

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**

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

None known.

Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on Toxicological Effects****Acute Toxicity****Product Information**

Inhalation	Do not inhale.
Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation.
Ingestion	Do not ingest.

Unknown Acute Toxicity 3.04% of the mixture consists of ingredient(s) of unknown toxicity.

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

ATEmix (oral)	10,636.00 mg/kg
ATEmix (dermal)	23,973.00 mg/kg
ATEmix (inhalation-gas)	10,392.00 ppm
ATEmix (inhalation-dust/mist)	22.27 mg/L
ATEmix (inhalation-vapor)	130.60 mg/L

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	= 8.8 mg/L (Rat) 4 h
Sodium diisopropyl naphthalene sulphonate	= 1350 mg/kg (Rat)	= 4200 mg/kg (Rabbit)	
EDTA	= 1700 mg/kg (Rat)		
Borax	= 3493 mg/kg (Rat) = 2660 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	
Caustic Soda		= 1350 mg/kg (Rabbit)	
Ammonium hydroxide	= 350 mg/kg (Rat)		
Dilsopropyl naphthalene	= 3900 mg/kg (Rat)	> 4500 mg/kg (Rat)	> 5.64 mg/L (Rat) 4 h
Zinc oxide	> 5000 mg/kg (Rat)		

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Sensitization	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
Benzyl alcohol	35: 3 h Anabaena variabilis mg/L EC50	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	23: 48 h water flea mg/L EC50
EDTA	1.01: 72 h Desmodesmus subspicatus mg/L EC50	34 - 62: 96 h Lepomis macrochirus mg/L LC50 static 44.2 - 76.5: 96 h Pimephales promelas mg/L LC50 static	113: 48 h Daphnia magna mg/L EC50 Static
Caustic Soda		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	
Ammonium hydroxide		8.2: 96 h Pimephales promelas mg/L LC50	0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Benzyl alcohol	1.1

12.4. Mobility in Soil

Mobility

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

14.5 Marine Pollutant This material may meet the definition of a marine pollutant

RID

14.2 Proper Shipping Name Not regulated

ADR

14.2 Proper Shipping Name Not regulated

ICAO (air)

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

France

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number	Title
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.

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (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 Does not apply

International Inventories

Not determined.

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

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 sections 2 and 3**

H302 - Harmful if swallowed

H332 - Harmful if inhaled

H360FD - May damage fertility. May damage the unborn child

H314 - Causes severe skin burns and eye damage

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H319 - Causes serious eye irritation

Classification Procedure

Calculation method

Issue Date: 31-Mar-2015

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Revision Note: pH update

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

Disclaimer

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End of Safety Data Sheet