



Issue Date 27-Dec-2011

Revision Date: 03-Jul-2013

Version 1

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

1.1. Product Identifier

SDS # BE-5076-EU
Product Code 5076
Product Name Buckeye Sanicare Lemon Quat

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

Recommended Use Cleaner Disinfectant Waterbased

1.3. Details of the Supplier of the Safety Data Sheet

Importer UK Contact David Pinder, EU General Manager 12 Paskin Close Fradley Village, NR Lichfield Staffordshire, WS13 8NZ UK	REACH Only Representative TSGE TSGE@TSGEurope.com	Supplier 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 2
Serious eye damage/eye irritation	Category 2

Classification according to 67/548/EEC
Full text of R-phrases: see section 16

Hazard Symbols

Not dangerous

2.2. Label Elements**Signal Word**

Warning

Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

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

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

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

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
Didecyltrimethylammonium chloride	Present	7173-51-5	2.54	Xn; R22 C; R34	Acute Tox. 4 (H302) Skin Corr. 1B (H314)	Not determined
Ethyl Alcohol	Present	64-17-5	<2	F; R11	Flam. Liq. 2 (H225)	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****General Advice**

Call a poison center or doctor immediately for treatment advice.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact	Wash affected areas thoroughly with soap and water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration.
Ingestion	Drink 2-3 large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

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

Symptoms	Burning and/or irritation to eyes and skin. May cause irritation to the mucous membranes and upper respiratory tract. Contact will cause irritation and redness to exposed areas. Coughing. Drowsiness.
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4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	Treat symptomatically. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage.
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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media

Water. Foam. Dry chemical.

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 water spray to cool exposed surfaces.

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.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep container closed when not in use. Do not contaminate water, food, or feed by storage or disposal.

Packaging Materials Rinse container before discarding.

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
Ethyl Alcohol 64-17-5		STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	TWA: 1000 ppm TWA: 1910 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 1920 mg/m ³ Skin
Component	Italy	Portugal	Netherlands	Finland	Denmark
Ethyl Alcohol 64-17-5 (<2)		TWA: 1000 ppm	Skin STEL: 1900 mg/m ³ TWA: 260 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Ethyl Alcohol 64-17-5	STEL 2000 ppm STEL 3800 mg/m ³ TWA: 1000 ppm TWA: 1900 mg/m ³	STEL: 1000 ppm STEL: 1920 mg/m ³ TWA: 500 ppm TWA: 960 mg/m ³	TWA: 1900 mg/m ³	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 625 ppm STEL: 1187.5 mg/m ³	STEL: 1000 ppm

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	Provide adequate ventilation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on Basic Physical and Chemical Properties**

Physical State	Liquid	Odor	Lemon fragrance
Appearance	Clear yellow liquid	Odor Threshold	Not determined
Color	Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.6 ± 0.2 (conc) 7.0 ± 0.2 (1:64 dilution)	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	> 93.3 °C / > 200 °F	
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	1.00	
Water Solubility	Infinite	
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	
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. Anionic detergents. Strong oxidizing agents. Strong reducing agents.

10.6. Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases or vapors.

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

Eye Contact Causes serious eye irritation.

Skin Contact Causes skin irritation.

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

Oral LD50 UNITS	10,718.00 mg/kg
Inhalation Mist UNITS	6,235.00 mg/L
Vapor UNITS	6,235.00 mg/L

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Didecyldimethylammonium chloride	= 84 mg/kg (Rat)		
Ethyl Alcohol	= 7060 mg/kg (Rat)		= 124.7 mg/L (Rat) 4 h
Alkyl dimethyl benzyl ammonium chloride (C12-16)	= 426 mg/kg (Rat)		

Symptoms Please see section 4 of this SDS for symptoms.

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

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethyl Alcohol		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Ethyl Alcohol	-0.32

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****Occupational Illnesses (R-463-3, France)**

Chemical Name	French RG number	Title
Ethyl Alcohol 64-17-5	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 -
 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**Safety Data Sheet Status**

The Risk Phrases/Hazard Statements listed below in Section 16 are related to the Raw Materials (ingredients) in the Product (as listed in Section 3) and NOT only the product itself. For the Risk Phrases/Hazard Statements relating to this Product see Section 2.

Full text of R-phrases referred to under sections 2 and 3

R22 - Harmful if swallowed

R34 - Causes burns

R11 - Highly flammable

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H225 - Highly flammable liquid and vapor

Classification Procedure

Calculation method

Issue Date 27-Dec-2011

Revision Date: 03-Jul-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