



# Safety Data Sheet

Issue Date: 25-Mar-2020

Revision Date: 25-Mar-2020

Version 1

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

### 1.1. Product Identifier

SDS # BE-5087-EU  
Product Code 5087  
Product Name Buckeye Sanicare Quat-128

Contains Didecyltrimethylammonium chloride, Alkyl dimethyl benzyl ammonium chloride (C12-16), Tetrasodium EDTA, Sodium hydroxide

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

Recommended Use Germicidal 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 UK	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) Transportation - INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)  
Medical - (International) 1-651-632-8956 (North America) 1-800-303-0441

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture *Regulation (EC) No 1272/2008*

Skin corrosion/irritation	Category 1 Sub-category B - (H314)
Serious eye damage/eye irritation	Category 1 - (H318)
Chronic aquatic toxicity	Category 2 - (H411)

### 2.2. Label Elements

**Product Identifier**  
Contains Didecyltrimethylammonium chloride, Alkyl dimethyl benzyl ammonium chloride (C12-16), Tetrasodium EDTA, Sodium hydroxide

**Signal Word**

Danger

**Hazard statements**

H314 - Causes severe skin burns and eye damage

H411 - Toxic to aquatic life with long lasting effects

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

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

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

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

P273 - Avoid release to the environment

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

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P310 - Immediately call a POISON CENTER or doctor/physician

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P391 - Collect spillage

P405 - Store locked up

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 MIXTURES**

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Didecyldimethylammonium chloride	Present	7173-51-5	5.07	Acute Tox. 4 (H302) Skin Corr. 1B (H314) Eye Dam. 1 (H318)	Not determined
Tetrasodium EDTA	Present	64-02-8	<5	Acute Tox. 4 (H302) Eye Dam. 1 (H318)	Not determined
Ethyl Alcohol	Present	64-17-5	<4	Flam. Liq. 2 (H225)	Not determined
Sodium hydroxide	Present	1310-73-2	<2	Skin Corr. 1A (H314)	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****General Advice**

Call a poison center or doctor immediately for treatment advice.

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration.
<b>Ingestion</b>	Have person sip a glass of water if able to swallow. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

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

<b>Symptoms</b>	Contact may cause irritation and redness. Direct eye contact may cause stinging, tearing and redness. May cause redness, pain, and severe skin burns. May cause irritation to the mucous membranes and upper respiratory tract. Ingestion may cause nausea and headache.
-----------------	--

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

<b>Notes to Physician</b>	Treat symptomatically. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be needed.
---------------------------	---

### **Section 5: FIREFIGHTING MEASURES**

#### **5.1. Extinguishing Media**

##### **Suitable Extinguishing Media**

Water spray (fog). Dry powder. Foam.

##### **Unsuitable Extinguishing Media**

Not determined.

#### **5.2. Special Hazards Arising from the Substance or Mixture**

Toxic fumes may be given off when material is exposed to fire.

**Hazardous combustion products** Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride.

#### **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. See Section 12 for additional Ecological Information.

#### **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**

Keep out of the reach of children. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapours/spray. 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. 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)

#### **Specific Use(s)**

Germicidal 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
Ethyl Alcohol 64-17-5	-	STEL: 3000 ppm STEL: 5760 mg/m <sup>3</sup> TWA: 1000 ppm TWA: 1920 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 5000 ppm STEL: 9500 mg/m <sup>3</sup>	STEL: 1000 ppm STEL: 1910 mg/m <sup>3</sup>	TWA: 200 ppm TWA: 380 mg/m <sup>3</sup>
Sodium hydroxide 1310-73-2	-	STEL: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>	-
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Ethyl Alcohol 64-17-5	-	TWA: 1000 ppm	Skin STEL: 1900 mg/m <sup>3</sup> TWA: 260 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> STEL: 1300 ppm STEL: 2500 mg/m <sup>3</sup>	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Sodium hydroxide 1310-73-2	-	Ceiling: 2 mg/m <sup>3</sup>	-	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Ethyl Alcohol 64-17-5	STEL 2000 ppm STEL 3800 mg/m <sup>3</sup> TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	STEL: 1000 ppm STEL: 1920 mg/m <sup>3</sup> TWA: 500 ppm TWA: 960 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 950 mg/m <sup>3</sup> STEL: 625 ppm STEL: 1187.5 mg/m <sup>3</sup>	STEL: 1000 ppm
Sodium hydroxide 1310-73-2	STEL 4 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	STEL: 1 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>

**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** Normal work clothing (long sleeved shirts and long pants) is recommended.  
**Respiratory Protection** If necessary, refer to appropriate regulations and standards.

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

<b>Physical state</b>	Liquid	<b>Odour</b>	Fresh
<b>Appearance</b>	Clear, lime green solution	<b>Odour Threshold</b>	Not determined
<b>Colour</b>	Lime green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	7.6 ± 0.2 (conc) </br> 7.0 ± 0.2 (1:128 dilution)	
<b>Melting point / freezing point</b>	Not determined	
<b>Boiling point / boiling range</b>	100 °C / 212 °F	
<b>Flash point</b>	93 °C / ~ 200 °F	Tag Closed Cup (n-BuAc =1)
<b>Evaporation Rate</b>	1.0	
<b>Flammability (Solid, Gas)</b>	n/a-liquid	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	Not applicable	
<b>Lower flammability or explosive limits</b>	Not applicable	
<b>Vapour Pressure</b>	Not determined	
<b>Vapour Density</b>	Not determined	
<b>Relative Density</b>	1.00	
<b>Water Solubility</b>	Mostly Soluble	
<b>Solubility(ies)</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Autoignition temperature</b>	Not determined	
<b>Decomposition temperature</b>	Not determined	
<b>Kinematic viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidising Properties</b>	Not determined	

**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**

Hazardous polymerisation 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 oxidising 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**

<b>Inhalation</b>	Avoid breathing vapours or mists.
<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Ingestion</b>	May be harmful if swallowed.

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

<b>ATEmix (oral)</b>	2,343.75 mg/kg
<b>ATEmix (dermal)</b>	55,046.20 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	2,542.30 mg/L

**Unknown Acute Toxicity**

- 18.45 % of the mixture consists of ingredient(s) of unknown toxicity.
- 18.45 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
- 18.45 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
- 18.45 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
- 18.45 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
- 18.45 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Didecyldimethylammonium chloride	= 84 mg/kg ( Rat )		
Tetrasodium EDTA	= 10 g/kg ( Rat ) = 1658 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 )		
Sodium hydroxide	= 325 mg/kg ( Rat )	= 1350 mg/kg ( Rabbit )	

<b>Skin corrosion/irritation</b>	Causes severe skin burns.
<b>Serious eye damage/eye irritation</b>	Causes severe eye damage.
<b>Sensitisation</b>	Not classified.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive toxicity</b>	Not classified.
<b>STOT - single exposure</b>	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
Didecyldimethylammonium chloride		0.97: 96 h Danio rerio mg/L LC50 semi-static	
Tetrasodium EDTA	1.01: 72 h Desmodesmus subspicatus mg/L EC50	59.8: 96 h Pimephales promelas mg/L LC50 static 41: 96 h Lepomis macrochirus mg/L LC50 static	610: 24 h Daphnia magna mg/L EC50
Ethyl Alcohol		13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static	10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50
Sodium hydroxide		45.4: 96 h Oncorhynchus mykiss mg/L LC50 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

#### **Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

**IMDG**

14.1 UN number	UN1760
14.2 Proper Shipping Name	Corrosive liquid, n.o.s. (Dimethyl benzyl ammonium chloride, Sodium hydroxide)
14.3 Transport hazard class(es)	8
14.4 Packing Group	III
14.5 Marine Pollutant	This material may meet the definition of a marine pollutant

**RID**

14.1 UN number	UN1760
14.2 Proper Shipping Name	Corrosive liquid, n.o.s. (Dimethyl benzyl ammonium chloride, Sodium hydroxide)
14.3 Transport hazard class(es)	8
14.4 Packing Group	III

**ADR**

14.1 UN number	UN1760
14.2 Proper Shipping Name	Corrosive liquid, n.o.s. (Dimethyl benzyl ammonium chloride, Sodium hydroxide)
14.3 Transport hazard class(es)	8
14.4 Packing Group	III

**IATA**

14.1 UN number	UN1760
14.2 Proper Shipping Name	Corrosive liquid, n.o.s. (Dimethyl benzyl ammonium chloride, Sodium hydroxide)
14.3 Transport hazard class(es)	8
14.4 Packing Group	III

**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
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 .

**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

**Export Notification requirements**

This product contains substances which are regulated pursuant to Regulation (EC) No. 689/2008 of the European parliament and of the council concerning the export and import of dangerous chemicals

Chemical name	European Export/Import Restrictions per (EC) 649/2012 - Annex Number
Didecyldimethylammonium chloride - 7173-51-5	I.1

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**



**International Inventories**

Component	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
N,N-DIMETHYLOCTYLAMINE-N-OXIDE 2605-78-9 (<10)	X	X	-	X	X	X	-	-
Didecyldimethylammonium chloride 7173-51-5 (5.07)	X	X	X	X	X	X	X	X
Tetrasodium EDTA 64-02-8 (<5)	X	X	X	X	X	X	X	X
Ethyl Alcohol 64-17-5 (<4)	X	X	X	X	X	X	X	X
Alkyl dimethyl benzyl ammonium chloride (C12-16) 68424-85-1 (3.38)	X	X	X	X	X	X	X	X
Sodium hydroxide 1310-73-2 (<2)	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****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 H-Statements referred to under section 3**

H225 - Highly flammable liquid and vapour

H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

**Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend****Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Classification Procedure**

Calculation method

**Issue Date:** 25-Mar-2020

**Revision Date:** 25-Mar-2020

**Revision Note:** New format.

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