



Safety Data Sheet

Issue Date: 18-Aug-2014

Revision Date: 12-Sep-2017

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Buckeye Sani-Q2

Other means of identification

SDS # BE-5680-CA

Product Code 5680
Synonyms None

UN/ID No UN1903

Recommended use of the chemical and restrictions on use

Recommended Use Disinfectant Sanitizer

Uses Advised Against No information available

Details of the supplier of the safety data sheet

Initial Supplier Identifier

United States Supplier Address

Buckeye International, Inc.
2700 Wagner Place
Maryland Heights, MO 63043 USA
1-314-291-1900

24 hr Emergency Telephone Numbers

TRANSPORTATION - INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

MEDICAL - 1-651-632-8956 (International) 1-800-303-0441 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear liquid

Physical state Liquid

Odour Mild scent No fragrance added

Classification

| | |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation | Category 1 Sub-category C |
| Serious eye damage/eye irritation | Category 1 |

Label Elements

Signal word
Danger

Hazard statements

Causes severe skin burns and eye damage

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapours/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTRE or doctor
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a poison centre or doctor/physician
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Information

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Chemical Name | CAS No | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--|------------|----------|--|---|
| Di-n-alkyl Dimethyl Ammonium Chloride | 68424-95-3 | 6 | - | - |
| Alkyl dimethyl benzyl ammonium chloride (C12-16) | 68424-85-1 | 4 | - | - |
| Ethyl Alcohol | 64-17-5 | 1.9 | - | - |

4. FIRST AID MEASURES

First Aid Measures**General advice**

Call a poison centre or doctor immediately for treatment advice.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a poison centre or doctor/physician.

Skin contact

Take off contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. If redness or irritation occurs and persists, seek medical attention.

Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention for further treatment.

Ingestion 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. Get medical attention to assess further treatment.

Most important symptoms and effects

Symptoms May cause eye burns and permanent eye damage. Nausea. Headache. Direct contact with skin can cause irritation or redness.

Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media Foam. Water spray (fog). Dry chemical.

Unsuitable extinguishing media Not determined.

Specific hazards arising from the chemical Combustion products may be toxic. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

Hazardous Combustion Products Carbon oxides. Nitrogen oxides (NOx).

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

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. Do not breathe dust/fume/gas/mist/vapours/spray.

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. Protect from direct sunlight. Protect from extreme temperatures. Keep cool. Store locked up.

Incompatible materials Chlorine bleach Anionic detergents Strong oxidising agents Strong reducing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

| Chemical Name | Canada - Alberta - Occupational Exposure Limits - Ceilings | Canada - British Columbia - Occupational Exposure Limits - Ceilings | Canada - Ontario - Occupational Exposure Limits - Ceilings | Quebec |
|--------------------------|--|--|--|--|
| Ethyl Alcohol 64-17-5 | TWA: 1000 ppm TWA: 1880 mg/m ³ | STEL: 1000 ppm | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1880 mg/m ³ |

Appropriate engineering controls

Engineering controls Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses or goggles to protect against exposure.

Skin and body protection Wear rubber gloves or other impervious gloves.

Respiratory protection No protective equipment is needed under normal use conditions.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid
Appearance Clear liquid
Colour Clear
Odour Mild scent No fragrance added
Odour Threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---------------------------------------|--|--|
| pH | 7.0 ± 0.5 (conc) 7.0 ± 0.5 (1:128 dilution) | |
| Melting point / freezing point | Not determined | |
| Boiling Point / Boiling Range | 100 °C / 212 °F | |
| Flash Point | >65 °C / >149 °F | Pensky-Martens Closed Cup (PMCC) Product does not support combustion (Water = 1) |
| Evaporation Rate | 1.0 | |
| Flammability (Solid, Gas) | n/a-liquid | |
| Flammability Limit in Air | | |
| Upper Flammability Limit | Not applicable | |
| Lower Flammability Limit | Not applicable | |
| Vapour Pressure | Not determined | |
| Vapour Density | Not determined | |
| Relative Density | 0.99 | |
| Water Solubility | Infinite | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Autoignition temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive properties | No information available. | |
| Oxidising properties | No information available. | |
| <u>Other Information</u> | | |
| Softening Point | No information available | |
| Molecular weight | No information available | |
| VOC Content (%) | No information available | |
| Density | No information available | |
| Bulk Density | No information available | |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity | Not reactive under normal conditions. |
| Chemical Stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous Polymerisation | Hazardous polymerisation does not occur. |
| Conditions to Avoid | See Sec. 7 Handling & Storage. |
| Incompatible Materials | Chlorine bleach. Anionic detergents. Strong oxidising agents. Strong reducing agents. |
| Hazardous Decomposition Products | Carbon oxides. Nitrogen oxides (NOx). Thermal decomposition can lead to release of irritating and toxic gases and vapours. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|---------------------------|
| Eye contact | Causes severe eye damage. |
| Skin contact | Causes severe skin burns. |
| Inhalation | Do not inhale. |

Ingestion Do not ingest.

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Numerical measures of toxicity

Not determined

Unknown acute toxicity No information available

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|-------------|--------------------------|
| Water 7732-18-5 | > 90 mL/kg (Rat) | - | - |
| Alkyl dimethyl benzyl ammonium chloride (C12-16) 68424-85-1 | = 426 mg/kg (Rat) | - | - |
| Ethyl Alcohol 64-17-5 | = 7060 mg/kg (Rat) | - | = 124.7 mg/L (Rat) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|---------|-------|------|
| Ethyl Alcohol 64-17-5 | A3 | Group 1 | Known | X |

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labour)

X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life with long lasting effects.

Persistence/Degradability No information available.

Bioaccumulation .

Mobility .

| Chemical Name | Partition Coefficient |
|--------------------------|-----------------------|
| Ethyl Alcohol 64-17-5 | -0.32 |

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

| | |
|--|---|
| Waste from residues/unused products | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| Contaminated packaging | Do not reuse empty containers. |

14. TRANSPORT INFORMATION

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

DOT

| | |
|-----------------------------|--|
| UN/ID No | UN1903 |
| Proper Shipping Name | Disinfectant, liquid, corrosive, n.o.s. (Dialkyldimethylammonium chloride) |
| Hazard Class | 8 |
| Packing Group | III |

TDG

| | |
|-----------------------------|--|
| UN/ID No | UN1903 |
| Proper Shipping Name | Disinfectant, liquid, corrosive, n.o.s. (Dialkyldimethylammonium chloride) |
| Hazard Class | 8 |
| Packing Group | III |

IATA

| | |
|-----------------------------|--|
| UN/ID No | UN1903 |
| Proper Shipping Name | Disinfectant, liquid, corrosive, n.o.s. (Dialkyldimethylammonium chloride) |
| Hazard Class | 8 |
| Packing Group | III |

IMDG

| | |
|-----------------------------|--|
| UN/ID No | UN1903 |
| Proper Shipping Name | Disinfectant, liquid, corrosive, n.o.s. (Dialkyldimethylammonium chloride) |
| Hazard Class | 8 |
| Packing Group | III |

15. REGULATORY INFORMATION

REGULATORY INFORMATION

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

| Chemical Name | TSCA | DSL/NDSL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|--|------|----------|-------------------|------|-------|------|-------|------|
| Di-n-alkyl Dimethyl Ammonium Chloride | X | X | X | X | X | X | X | X |
| Alkyl dimethyl benzyl ammonium chloride (C12-16) | X | X | X | X | X | X | X | X |
| Ethyl Alcohol | X | X | X | X | X | X | X | X |

Legend:**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

| | | | | |
|-------------|--------------------------------------|------------------------------------|--|---|
| NFPA | Health Hazards 3 | Flammability 2 | Instability 0 | Special Hazards Not determined |
| HMIS | Health Hazards Not determined | Flammability Not determined | Physical hazards Not determined | Personal Protection Not determined |

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA

TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling

Maximum limit value

*

Skin designation

Issue Date:

18-Aug-2014

Revision Date:

12-Sep-2017

Revision Note:

Canadian Format.

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