



# Safety Data Sheet

Issue Date: 22-Sep-2014

Revision Date: 15-Sep-2017

Version 2

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Buckeye Sanicare 3

### Other means of identification

**SDS #** BE-5503

**Product Code** 5503  
**Registration Number(s)** EPA Reg. No 706-69-559  
**UN/ID No** UN1950

### Recommended use of the chemical and restrictions on use

**Recommended Use** EPA registered aerosol disinfectant.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Buckeye International, Inc.  
2700 Wagner Place  
Maryland Heights, MO 63043 USA

### Emergency Telephone Number

**Company Phone Number** 1-314-291-1900  
**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

## 2. HAZARDS IDENTIFICATION

**Emergency Overview** This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information.

**Appearance** Clear colorless spray

**Physical state** Aerosol

**Odor** Alcohol

### Classification

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Flammable Aerosols	Category 1
Gases Under Pressure	Compressed Gas

### Signal Word

**Danger**

### Hazard statements

Causes serious eye irritation  
May cause an allergic skin reaction  
Extremely flammable aerosol  
Contains gas under pressure; may explode if heated



#### **Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Contaminated work clothing must not be allowed out of the workplace  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Do not spray on an open flame or other ignition source  
 Pressurized container: Do not pierce or burn, even after use

#### **Precautionary Statements - Response**

IF exposed: Call a POISON CENTER or doctor/physician  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of water and soap  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

#### **Precautionary Statements - Storage**

Store locked up  
 Protect from sunlight  
 Store in a well-ventilated place  
 Do not expose to temperatures exceeding 50 °C/122 °F

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Other hazards**

Toxic to aquatic life with long lasting effects

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%
Ethyl Alcohol	64-17-5	40-60
1,1 difluoroethane	75-37-6	20-40
Sodium Nitrite	7632-00-0	0.1-1.0
Lemon Oil Terpenes	68917-33-9	0.1-1
2-Phenylphenol	90-43-7	0.1-1.0

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### **4. FIRST AID MEASURES**

#### **First Aid Measures**

##### **General Advice**

Provide this SDS to medical personnel for treatment. IF exposed: Call a POISON CENTER or doctor/physician.

##### **Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects**

<b>Symptoms</b>	Causes mild skin irritation. Causes serious eye irritation. May be harmful if swallowed. Causes damage to organs.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Product is an extremely flammable aerosol. Pressurized container: May burst if heated.

**Hazardous Combustion Products** Nitrogen oxides (NOx). Phosphorus oxides.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 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 Clean-Up** Collect spillage. Absorb spillage with non-combustible, absorbent material. Dispose of in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not expose to temperatures exceeding 50 °C/122°F. Do not puncture or incinerate container. Protect from extreme temperatures. Keep locked up and out of reach of children.

**Incompatible Materials** Strong oxidizing agents. Amines. Isocyanates. Acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
1,1 difluoroethane 75-37-6	TWA: 1000 ppm	-	-

**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** Safety glasses with side shields or chemical goggles. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Wear chemical resistant gloves and protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** If vapor concentration becomes high, use NIOSH approved respirators. Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Aerosol	<b>Odor</b>	Alcohol
<b>Appearance</b>	Clear colorless spray	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	10.5 +/- 0.5		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not determined		
Flash Point	Not determined		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	Not determined		
Flammability Limits in Air			
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Relative Density	1.13		

<b>Water Solubility</b>	Not determined
<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Auto-ignition 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>Oxidizing Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

Heat, flames and sparks. Do not expose to temperatures exceeding 50 °C/122°F.

### Incompatible Materials

Strong oxidizing agents. Amines. Isocyanates. Acids.

### Hazardous Decomposition Products

Phosphorous oxides. Nitrogen oxides (NO<sub>x</sub>).

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Causes mild skin irritation.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	May be harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
1,1 difluoroethane 75-37-6	-	-	= 977 g/m <sup>3</sup> (mouse) 2h
Sodium Nitrite 7632-00-0	= 85 mg/kg ( Rat )	-	= 5.5 mg/L ( Rat ) 4 h
2-Phenylphenol 90-43-7	= 2 g/kg ( Rat )	> 2000 mg/kg ( Rat )	> 0.949 mg/L ( Rat ) 1 h

### Information on physical, chemical and toxicological effects

**Symptoms**

Please see section 4 of this SDS for symptoms.

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

May cause an allergic skin reaction.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage. Nitrate or nitrite ingested under conditions that result in endogenous nitrosation are considered IARC group 2A carcinogens.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X
Sodium Nitrite 7632-00-0		Group 2A		X
2-Phenylphenol 90-43-7		Group 3		

**Legend****ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

**NTP (National Toxicology Program)**

Known - Known Carcinogen

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

X - Present

**Numerical measures of toxicity**

Not determined.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethyl Alcohol 64-17-5		13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/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 Nitrite 7632-00-0		0.19: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 2.3: 96 h Pimephales promelas mg/L LC50 flow-through 0.092 - 0.13: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.65 - 1: 96 h Oncorhynchus mykiss mg/L LC50 static 0.4 - 0.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 20: 96 h Pimephales promelas mg/L LC50 static	
2-Phenylphenol 90-43-7	0.85: 72 h Desmodesmus subspicatus mg/L EC50	2.74: 96 h Lepomis macrochirus mg/L LC50 5.8: 96 h Poecilia reticulata mg/L LC50 static 2.75: 96 h Oncorhynchus mykiss mg/L LC50 3.4: 96 h Pimephales promelas mg/L LC50 flow-through	1 - 2.5: 48 h Daphnia magna mg/L EC50 Static

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Ethyl Alcohol 64-17-5	-0.32
Sodium Nitrite 7632-00-0	-3.7
2-Phenylphenol 90-43-7	3.18

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic Ignitable
Sodium Nitrite 7632-00-0	Toxic Ignitable Reactive

**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** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1

**IATA**

**UN/ID No** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.1

**IMDG**

**UN/ID No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1

## 15. REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethyl Alcohol	X	X	X	Present	X	Present	X	X
1,1 difluoroethane	X	X	X	Present	X	Present	X	X
Sodium Nitrite	X	X	X	Present	X	Present	X	X
2-Phenylphenol	X	X	X	Present	X	Present	X	X
Lemon Oil Terpenes	X	X			X	Present	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

### US Federal Regulations

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Nitrite 7632-00-0	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Sodium Nitrite - 7632-00-0	7632-00-0	0.1-1.0	1.0
2-Phenylphenol - 90-43-7	90-43-7	0.1-1.0	1.0

#### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Nitrite	100 lb			X

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Ethyl Alcohol - 64-17-5	Carcinogen Developmental
2-Phenylphenol - 90-43-7	Carcinogen



**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethyl Alcohol 64-17-5	X	X	X
1,1 difluoroethane 75-37-6	X	X	
Sodium Nitrite 7632-00-0	X	X	X
2-Phenylphenol 90-43-7	X	X	X

**EPA Pesticide Registration Number** EPA Reg. No 706-69-559

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label**

Signal Word: Caution

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Note: This product contains a chemical(s) known to the state of California to cause cancer.

**Difference between SDS and EPA pesticide label**

	EPA	OSHA
<b>Signal Word</b>	Caution	Danger
Acute toxicity – dermal	Harmful if absorbed through the skin	N/A
Eye damage/irritation	Causes moderate eye irritation	Causes serious eye irritation
Skin sensitization	skin contact may cause allergic reaction	May cause an allergic skin reaction

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	3	0	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical hazards</b>	<b>Personal Protection</b>
	Not determined	Not determined	Not determined	Not determined

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**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