



Safety Data Sheet

Issue Date: 22-Sep-2014

Revision Date: 28-Jul-2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Buckeye Sanicare 3

Other means of identification

SDS # BE-5503

Product Code 5503

UN/ID No UN1950

Recommended use of the chemical and restrictions on use

Recommended Use 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 1-651-632-8956 (International)
1-800-303-0441 (North America)
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear colorless spray

Physical State Aerosol

Odor Alcohol

Classification

| | |
|--|------------|
| Specific target organ toxicity (single exposure) | Category 1 |
| Flammable Aerosols | Category 1 |

Hazards Not Otherwise Classified (HNOC)

Causes mild skin irritation
May be harmful if swallowed

Signal Word

Danger

Hazard Statements

Causes damage to organs
Extremely flammable aerosol

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 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

Precautionary Statements - Storage

Store locked up
 Protect from sunlight
 Do not expose to temperatures exceeding 122°F (50°C)

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 |
| Methanol | 67-56-1 | 1.0-2.5 |
| Sodium Nitrite | 7632-00-0 | 0.1-1.0 |
| 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 immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. |
| Inhalation | Remove to fresh air. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

Most important symptoms and effects

Symptoms Causes mild skin irritation. May be harmful if swallowed. Causes damage to organs.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

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 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. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. 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 ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³ | IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³ |
| 1,1 difluoroethane 75-37-6 | TWA: 1000 ppm | - | - |
| Methanol 67-56-1 | STEL: 250 ppm TWA: 200 ppm S* | TWA: 200 ppm TWA: 260 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m ³ (vacated) S* | IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 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 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

| | | | |
|-----------------------|-----------------------|-----------------------|----------------|
| Physical State | Aerosol | Odor | Alcohol |
| Appearance | Clear colorless spray | Odor Threshold | Not determined |
| Color | Clear | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|----------------|-------------------------|
| 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 | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | 1.13 | |
| Water Solubility | Not determined | |
| Solubility in other solvents | 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 |
| Oxidizing Properties | Not determined |
| Additional Information | % Volatile by weight 98 |

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_x).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|------------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Causes mild skin irritation. |
| Inhalation | Do not inhale. |
| Ingestion | 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 ³ (mouse) 2h |
| Methanol 67-56-1 | = 6200 mg/kg (Rat) | = 15800 mg/kg (Rabbit) | = 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h |
| Sodium Nitrite 7632-00-0 | = 85 mg/kg (Rat) | - | = 5.5 mg/L (Rat) 4 h |
| 2-Phenylphenol 90-43-7 | = 1049 mg/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

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

STOT - single exposure Causes damage to organs.

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 | Toxicity to microorganisms | Crustacea |
|--------------------------|----------------------|--|---|---|
| Ethyl Alcohol 64-17-5 | | 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static | EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min | 9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50 |
| Methanol 67-56-1 | | 28200: 96 h Pimephales promelas mg/L LC50 flow- through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static | | |

| | | | | |
|-----------------------------|---|--|------------------------|--|
| 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 20: 96 h Pimephales promelas mg/L LC50 static 0.092 - 0.13: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.4 - 0.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.65 - 1: 96 h Oncorhynchus mykiss mg/L LC50 static | | |
| 2-Phenylphenol 90-43-7 | 0.85: 72 h Desmodemus subspicatus mg/L EC50 | 3.4: 96 h Pimephales promelas mg/L LC50 flow-through 5.8: 96 h Poecilia reticulata mg/L LC50 static 2.74: 96 h Lepomis macrochirus mg/L LC50 2.75: 96 h Oncorhynchus mykiss mg/L LC50 | EC50 = 2.05 mg/L 5 min | 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 |
| Methanol 67-56-1 | -0.77 |
| 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.

US EPA Waste Number

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------------|------|-----------------------------------|------------------------|------------------------|
| Methanol 67-56-1 | | Included in waste stream: F039 | | U154 |

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|-----------------------------|-----------------------------------|
| Ethyl Alcohol 64-17-5 | Toxic Ignitable |
| Methanol 67-56-1 | 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 | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|--------------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Ethyl Alcohol | Present | X | | Present | | Present | X | Present | X | X |
| 1,1 difluoroethane | Present | X | | Present | | Present | X | Present | X | X |
| Methanol | Present | X | | Present | | Present | X | Present | X | X |
| Sodium Nitrite | Present | X | | Present | | Present | X | Present | X | X |
| 2-Phenylphenol | Present | X | | Present | | Present | 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) |
|-----------------------------|--------------------------|----------------|--|
| Methanol 67-56-1 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final 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 % |
|----------------------------|-----------|----------|-------------------------------|
| Methanol - 67-56-1 | 67-56-1 | 1.0-2.5 | 1.0 |
| 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 |
| Methanol - 67-56-1 | 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 | |
| Methanol 67-56-1 | X | X | X |
| Sodium Nitrite 7632-00-0 | X | X | X |
| 2-Phenylphenol 90-43-7 | X | X | X |

16. OTHER INFORMATION

| | | | | |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <u>NFPA</u> | Health Hazards | Flammability | Instability | Special Hazards |
| | 2 | 3 | 0 | Not determined |
| <u>HMIS</u> | Health Hazards | Flammability | Physical Hazards | Personal Protection |
| | 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