



Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 30-Jul-2024

Version 5

1. IDENTIFICATION

Product identifier

Product Name Buckeye Workout

Other means of identification

SDS # BE-5549

UN/ID No UN1950

Recommended use of the chemical and restrictions on use

Recommended Use Aerosol Foam Cleaner.

Details of the supplier of the safety data sheet

Supplier Address

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

Emergency telephone number

Company Phone Number 1-314-291-1900
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear colorless spray

Physical state Aerosol

Odor Floral

Classification

Aerosols	Category 1
Gases under pressure	Compressed gas

Signal Word

Danger

Hazard statements

Extremely flammable aerosol
Contains gas under pressure; may explode if heated



Precautionary Statements - Prevention

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 - Storage

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

Other hazards

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
N-Butane	106-97-8	5-10
Propane	74-98-6	1-5
Monoethanolamine	141-43-5	0.1-1
Sodium Nitrite	7632-00-0	0.1-1
Sodium metasilicate	6834-92-0	0.1-1

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**Description of first aid measures**

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. 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, both acute and delayed

Symptoms	Eye contact may cause redness or burning sensation. Can cause defatting of skin tissue.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	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

Extremely flammable aerosol. Do not expose to temperatures exceeding 50 °C/122°F. In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NO_x).

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 Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic. Dispose of contents/container to an approved waste disposal plant.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. 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 containers tightly closed in a dry, cool and well-ventilated place. Store away from heat, sparks, flame. Keep from freezing. Keep locked up and out of reach of children. Do not puncture or incinerate container. Do not expose to temperatures exceeding 50 °C/122°F.

Incompatible Materials Acids. Strong alkalis. Heavy metal salts.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
N-Butane 106-97-8	STEL: 1000 ppm explosion hazard	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 1600 ppm TWA: 800 ppm TWA: 1900 mg/m ³
Propane 74-98-6	: See Appendix F: Minimal Oxygen Content, explosion hazard	TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³

Monoethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	(vacated) TWA: 1800 mg/m ³	
		TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³
Sodium metasilicate 6834-92-0	2 mg/m ³	2 mg/m ³	-

Appropriate engineering controls**Engineering Controls**

Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Wear safety glasses or goggles to protect against exposure. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection

Wear rubber gloves or other impervious gloves. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection

No protective equipment is needed under normal use conditions. 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	Floral
Appearance	Clear colorless spray	Odor Threshold	Not determined
Color	Colorless		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	(Conc.) 11.3 +/- 0.2		
Melting point / freezing point	No data available		
Initial boiling point and boiling range	No data available		
Flash point	No Flame Extension	ASTM D 3065	
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	Liquid- Not Applicable		
Flammability Limit in Air			
Upper flammability or explosive limits	No data available		
Lower flammability or explosive limits	No data available		
Vapor Pressure	Not determined		
Vapor Density	No data available		
Relative Density	1.04 Concentrate		
Water Solubility	Not determined		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Autoignition temperature	No data available		
Decomposition temperature	Not determined		
Kinematic viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		

Oxidizing Properties 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

Keep out of reach of children.

Incompatible materials

Acids. Strong alkalis. Heavy metal salts.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzenesulfonic acid, (1-methylethyl), sodium salt 28348-53-0	> 7000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 770 mg/L (Rat) 4 h
Propylene Glycol Phenyl Ether 770-35-4	= 2830 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.4 mg/L (Rat) 4 h
N-Butane 106-97-8	-	-	= 658 g/m ³ (Rat) 4 h
Propane 74-98-6	-	-	> 800000 ppm (Rat) 15 min
Monoethanolamine 141-43-5	= 1720 mg/kg (Rat)	= 1000 mg/kg (Rabbit)	> 1.3 mg/L (Rat) 6 h
Sodium Nitrite 7632-00-0	= 85 mg/kg (Rat)	-	= 5.5 mg/L (Rat) 4 h
Sodium metasilicate 6834-92-0	= 1153 mg/kg (Rat)	-	-
Tetrasodium EDTA 64-02-8	= 1658 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

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

Germ cell mutagenicity May cause genetic defects.

Carcinogenicity Nitrate or nitrite ingested under conditions that result in endogenous nitrosation are considered carcinogens.

Chemical name	ACGIH	IARC	NTP	OSHA
Sodium Nitrite 7632-00-0		Group 2A		X

Legend

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

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

X - Present

Numerical measures of toxicity

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

Oral LD50 11,268.60 mg/kg
 Dermal LD50 8,939.40 mg/kg
 Gas 1,981,398.20 ppm
 ATEmix (inhalation-dust/mist) 42.90 mg/l

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Benzenesulfonic acid, (1-methylethyl), sodium salt 28348-53-0	EC50: >1000mg/L (72h, <i>Desmodesmus subspicatus</i>)		
Monoethanolamine 141-43-5	EC50: =15mg/L (72h, <i>Desmodesmus subspicatus</i>)	LC50: =227mg/L (96h, <i>Pimephales promelas</i>) LC50: =3684mg/L (96h, <i>Brachydanio rerio</i>) LC50: 300 - 1000mg/L (96h, <i>Lepomis macrochirus</i>) LC50: 114 - 196mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: >200mg/L (96h, <i>Oncorhynchus mykiss</i>)	EC50: =65mg/L (48h, <i>Daphnia magna</i>)
Sodium Nitrite 7632-00-0		LC50: =0.19mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.092 - 0.13mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.4 - 0.6mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.65 - 1mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: =2.3mg/L (96h, <i>Pimephales promelas</i>) LC50: =20mg/L (96h, <i>Pimephales promelas</i>)	

Sodium metasilicate 6834-92-0		LC50: =210mg/L (96h, Brachydanio rerio)	
Tetrasodium EDTA 64-02-8		LC50: =41mg/L (96h, Lepomis macrochirus) LC50: =59.8mg/L (96h, Pimephales promelas)	

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient
N-Butane 106-97-8	2.31
Propane 74-98-6	1.09
Monoethanolamine 141-43-5	-2.3
Sodium Nitrite 7632-00-0	-3.7

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
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
Transport hazard class(es)	2.1

IATA

UN number or ID number UN1950
 Proper Shipping Name Aerosols, flammable
 Transport hazard class(es) 2.1

IMDG

UN number or ID number UN1950
 Proper Shipping Name Aerosols
 Transport hazard class(es) 2.1

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Propylene Glycol Phenyl Ether	X	ACTIVE	X	X	X	X	X	X	X
Benzenesulfonic acid, (1-methylethyl), sodium salt	X	ACTIVE	X	X	X	X	X	X	X
N-Butane	X	ACTIVE	X	X	X	X	X	X	X
Propane	X	ACTIVE	X	X	X	X	X	X	X
Alcohol Ethoxylate	X	ACTIVE	X	X	X	X	X	X	X
Monoethanolamine	X	ACTIVE	X	X	X	X	X	X	X
Sodium Sesquicarbonate	X	ACTIVE	X	X	X	X	X	X	X
Sodium Nitrite	X	ACTIVE	X	X	X	X	X	X	X
Sodium metasilicate	X	ACTIVE	X	X	X	X	X	X	X
Tetrasodium EDTA	X	ACTIVE	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***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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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 does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X
Monoethanolamine 141-43-5	X	X	X
Sodium Nitrite 7632-00-0	X	X	X

16. OTHER INFORMATION**NFPA****Health hazards**

1

Flammability

0

Instability

1

Special hazards

-

HMIS**Health hazards**

-

Flammability

-

Physical hazards

-

Personal Protection

Not determined

Issue Date:

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30-Jul-2024

Revision Note:

Reformulation

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