

Issue Date: 27-Dec-2011

Safety Data Sheet

Version 2

1. IDENTIFICATION					
Product Identifier Product Name	Buckeye Stabilize				
Other means of identification SDS #	BE-5310				
Product Code	5310				
Recommended use of the chemical Recommended Use	Recommended use of the chemical and restrictions on use Recommended Use Anti-Browning Agent, Water Based.				
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					
Appearance Clear liquid	Physical State Liquid	Odor Mild scent			

Revision Date: 22-Dec-2017

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Citric Acid	77-92-9	<5

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.		
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.		
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	May cause eye and skin irritation.		
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

Not determined.

Hazardous Combustion Products Carbon 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

traffic.

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	Dilute with large amount of water. Pick up with mops into a plastic bucket. Wash area with an alkaline detergent,followed by a clear water rinse. Allow floor to dry before allowing		

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with
	skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from incompatible materials.
Incompatible Materials	Do not mix with chlorinated detergents (bleach). Caustics. Metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Citric Acid	-	15 mg / m3 (Total)	-
77-92-9			

Appropriate engineering controls

Engineering Controls	Apply technical measures to comply with the occupational exposure limits.	
Individual protection measures, s	uch as personal protective equipment	
Eye/Face Protection	Use safety glasses or chemical splash goggles. 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		

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 Appearance Color	Liquid Clear liquid Clear	Odor Odor Threshold	Mild scent Not determined
Property pH Melting Point/Freezing Point Boiling Point/Boiling Range Flash Point Evaporation Rate Flammability (Solid, Gas) Upper Flammability Limits Lower Flammability Limit Vapor Pressure	Values pH (Conc.) 2.4 +/- 0.4 (1:32 Dilution) 3.1 +/- 0.5 Not determined 100 °C / 212 °F Not determined 1.0 Liquid- Not Applicable Not determined Not determined	Remarks • Method	

Vapor Density	Not determined
Specific Gravity	1.01
Water Solubility	Infinite
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

Keep out of reach of children.

Incompatible Materials

Do not mix with chlorinated detergents (bleach). Caustics. Metals.

Hazardous Decomposition Products

Carbon oxides.

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
Citric Acid	= 3000 mg/kg (Rat)	-	-
77-92-9			

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

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Citric Acid		1516: 96 h Lepomis		120: 72 h Daphnia magna
77-92-9		macrochirus mg/L LC50		mg/L EC50
		static		-

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Citric Acid	-1.72
77-92-9	

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

14. TRANSPORT INFORMATION

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT	Not regulated
IATA_	Not regulated
IMDG_	Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Citric Acid	Present	Х		Present		Present	Х	Present	Х	Х

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, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

NFPA HMIS	Health Hazards 1 Health Hazards Not determined	Flammability 0 Flammability Not determined	Instability 0 Physical Hazards Not determined	Special Hazards Not determined Personal Protection Not determined
Issue Date: Revision Date: Revision Note:	27-Dec- 22-Dec- Telepho			

<u>Disclaimer</u>

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