



# Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 24-Feb-2014

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Buckeye Dyshamatic

### Other means of identification

**SDS #** BE-5625

**Product Code** 5625

**UN/ID No** UN1759

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

**Recommended Use** Chlorinated powdered dishwash.

### 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)  
(Medical) 1-800-303-0441 (North America)

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
(Transportation) 1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** White granular powder

**Physical State** Solid

**Odor** Chlorine

### Classification

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

### Signal Word

**Danger**

### Hazard Statements

Harmful if swallowed  
Causes severe skin burns and eye damage  
May cause respiratory irritation. May cause drowsiness or dizziness

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Use only outdoors or in a well-ventilated area

**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 center or doctor/physician  
 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 center or doctor/physician  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Rinse mouth  
 Do not induce vomiting

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Very toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium Tripolyphosphate	7758-29-4	<35
Sodium metasilicate	6834-92-0	<27
Sodium Chloride	7647-14-5	>17
Sodium carbonate	497-19-8	<17
Ethoxylated Polyoxypropylene	9003-11-6	<2
Dichloroisocyanuric acid, sodium salt	2893-78-9	<2

\*\*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

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
<b>Ingestion</b>	Rinse mouth. Give two glasses of water. Do not induce vomiting. Call a physician immediately.

##### Most important symptoms and effects

<b>Symptoms</b>	Prolonged contact may even cause severe skin irritation or mild burn. May cause redness of skin or a warming sensation. Ingestion may cause irritation, nausea, vomiting. Inhalation symptoms may include dizziness and headache.
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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

Flood with water. Small amounts of water may cause explosive gas to be formed.

**Unsuitable Extinguishing Media** Not determined.

##### Specific Hazards Arising from the Chemical

Combustion products may be toxic.

**Hazardous Combustion Products** Carbon oxides. Phosphorus oxides. Silicon oxides. Chlorine gas.

##### 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

<b>Personal Precautions</b>	Use personal protective equipment as required.
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##### Methods and material for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Sweep up dry spills and place in a container for recovery or disposal. Rinse affected area with water and allow area to dry before allowing traffic.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Advice on Safe Handling**

Wash contaminated clothing before reuse. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep out of the reach of children.

### Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

#### **Incompatible Materials**

Acids. Bleach. Ammonia. Reducing agents. Organic solvents. Small amounts of water.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Tripolyphosphate 7758-29-4	15 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	-
Sodium metasilicate 6834-92-0	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-

### 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**

Use chemical splash goggles or glasses as necessary to prevent contact. When using product, do not rub eyes.

#### **Skin and Body Protection**

Rubber gloves or other impervious gloves.

#### **Respiratory Protection**

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**General Hygiene Considerations** Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical State**  
**Appearance**  
**Color**

Solid  
White granular powder  
White

**Odor**  
**Odor Threshold**

Chlorine  
Not determined

#### Property

#### Values

#### Remarks • Method

pH 11.8 ± 0.2 (use dilution)  
Melting Point/Freezing Point Not determined  
Boiling Point/Boiling Range Not applicable  
Flash Point Not applicable  
Evaporation Rate Not applicable  
Flammability (Solid, Gas) Not determined  
Upper Flammability Limits Not applicable  
Lower Flammability Limit Not applicable  
Vapor Pressure Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Vapor Density	Not determined	
Specific Gravity	61.3 lbs/cu. ft.	
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	

## 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. Bleach. Ammonia. Reducing agents. Organic solvents. Small amounts of water.

### Hazardous Decomposition Products

Chlorine.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

#### **Eye Contact**

Causes severe eye damage.

#### **Skin Contact**

Causes severe skin burns.

#### **Inhalation**

Avoid inhalation of dust.

#### **Ingestion**

Harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Tripolyphosphate 7758-29-4	= 3100 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	-
Sodium metasilicate 6834-92-0	= 600 mg/kg ( Rat )	-	-
Sodium Chloride 7647-14-5	= 3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 g/m <sup>3</sup> ( Rat ) 1 h
Sodium carbonate 497-19-8	= 4090 mg/kg ( Rat )	-	-
Dichloroisocyanuric acid, sodium salt 2893-78-9	= 735 mg/kg ( Rat )	> 5000 mg/kg ( Rat ) > 2000 mg/kg ( Rabbit )	> 50 mg/L ( Rat ) 1 h
Ethoxylated Polyoxypropylene 9003-11-6	= 5700 mg/kg ( Rat )	-	-

**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**

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**STOT - single exposure**

May cause respiratory irritation. May cause drowsiness or dizziness.

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Tripolyphosphate 7758-29-4		1650: 48 h <i>Leuciscus idus</i> mg/L LC50		
Sodium metasilicate 6834-92-0		210: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 210: 96 h <i>Brachydanio rerio</i> mg/L LC50		216: 96 h <i>Daphnia magna</i> mg/L EC50
Sodium Chloride 7647-14-5		5560 - 6080: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 12946: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 6020 - 7070: 96 h <i>Pimephales promelas</i> mg/L LC50 static 7050: 96 h <i>Pimephales promelas</i> mg/L LC50 semi-static 6420 - 6700: 96 h <i>Pimephales promelas</i> mg/L LC50 static 4747 - 7824: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through		1000: 48 h <i>Daphnia magna</i> mg/L EC50 340.7 - 469.2: 48 h <i>Daphnia magna</i> mg/L EC50 Static
Sodium carbonate 497-19-8	242: 120 h <i>Nitzschia</i> mg/L EC50	300: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 310 - 1220: 96 h <i>Pimephales promelas</i> mg/L LC50 static		265: 48 h <i>Daphnia magna</i> mg/L EC50
Dichloroisocyanuric acid, sodium salt 2893-78-9		0.25 - 1: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 0.207 - 0.389: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 0.176 - 0.267: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 0.29: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 0.13 - 0.36: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static		0.00018 - 0.00021: 48 h <i>Daphnia magna</i> mg/L EC50 0.093 - 0.16: 48 h <i>Daphnia magna</i> mg/L EC50

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Not determined

### 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 carbonate 497-19-8	Corrosive
Dichloroisocyanuric acid, sodium salt 2893-78-9	Ignitable

**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 UN1759  
Proper Shipping Name Corrosive solid, n.o.s. (sodium metasilicate)  
Hazard Class 8  
Packing Group III

**IATA**

UN/ID No UN1759  
Proper Shipping Name Corrosive solid, n.o.s. (sodium metasilicate)  
Hazard Class 8  
Packing Group III

**IMDG**

UN/ID No UN1759  
Proper Shipping Name Corrosive solid, n.o.s. (sodium metasilicate)  
Hazard Class 8  
Packing Group III  
Marine Pollutant This material may meet the definition of a marine pollutant



## 15. REGULATORY INFORMATION

### International Inventories

Not determined

### US Federal Regulations

#### CERCLA

Does not apply

### SARA 311/312 Hazard Categories

Acute Health Hazard

Yes

#### 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

### US State Regulations

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Tripolyphosphate 7758-29-4		X	X
Dichloroisocyanuric acid, sodium salt 2893-78-9	X		X

## 16. OTHER INFORMATION

#### NFPA

#### Health Hazards

3

#### Flammability

0

#### Instability

0

#### Special Hazards

Not determined

#### HMIS

#### Health Hazards

Not determined

#### Flammability

Not determined

#### Physical Hazards

Not determined

#### Personal Protection

Not determined

Issue Date:

27-Dec-2011

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24-Feb-2014

Revision Note:

New 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