

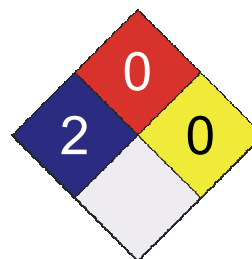
# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** Duracable Urinal Block  
**CAS #** Mixture  
**Product use** Urinal deodorant  
**Manufacturer** Duracable Mfg.  
300 Ashworth Road  
West Des Moines, IA 50265 US  
Phone: 515-223-1344  
Emergency Phone: 1-800-424-9300 (CHEMTREC)

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 2
Flammability	0
Physical Hazard	0
Personal Protection	B



## 2. Hazards Identification

**Emergency overview** WARNING  
EYE AND SKIN IRRITANT.  
Contains a potential reproductive toxin.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact.

**Eyes** Direct contact with eye may cause irritation.

**Skin** Direct contact with skin may cause irritation.

**Inhalation** Not a likely route of entry. Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

**Ingestion** Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

**Target organs** Eyes. Respiratory system. Skin.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Citric acid	77-92-9	7 - 13
Sodium dodecylbenzenesulfonate	25155-30-0	3 - 7
Sodium tetraborate decahydrate	1303-96-4	15 - 40
Green apple fragrance	Mixture	1 - 5

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Skin contact** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Inhalation** Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion** Not a normal route of exposure. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

**Notes to physician** Symptoms may be delayed.

**General advice**

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

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## 5. Fire Fighting Measures

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<b>Flammable properties</b>	Not flammable by WHMIS/OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of sulphur.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Keep unnecessary personnel away. Avoid contact with skin and eyes.
<b>Methods for containment</b>	None necessary.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

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## 7. Handling and Storage

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<b>Handling</b>	Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials.

## 8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Citric acid	<b>ACGIH-TLV</b> TWA: 10 mg/m <sup>3</sup> <b>OSHA-PEL</b> TWA: 10 mg/m <sup>3</sup>
Green apple fragrance	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Sodium dodecylbenzenesulfonate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Sodium tetraborate decahydrate	<b>ACGIH-TLV</b> TWA: 2 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup> <b>OSHA-PEL</b> Not established
<b>Engineering controls</b>	General ventilation normally adequate.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Not normally required when used as directed.
<b>Hand protection</b>	Rubber gloves. Confirm with a reputable supplier first.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Not normally required. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Solid
<b>Color</b>	Blue., pink
<b>Form</b>	Blocks
<b>Odor</b>	Green apple, Cherry., Lemon., Spicy or Potpourri
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Solid
<b>pH</b>	Not available
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flash point</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not applicable
<b>Flammability limits in air, upper, % by volume</b>	Not applicable
<b>Vapor pressure</b>	Not available

Vapor density	Not available
Specific gravity	Not available
Octanol/water coefficient	Not available
Solubility (H2O)	Complete
Percent volatile	Not available

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Caustics. Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of sulphur.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Citric acid	Not available
Green apple fragrance	Not available
Sodium dodecylbenzenesulfonate	Not available
Sodium tetraborate decahydrate	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Citric acid	5040 mg/kg mouse; 3000 mg/kg rat
Green apple fragrance	Not available
Sodium dodecylbenzenesulfonate	438 mg/kg rat
Sodium tetraborate decahydrate	2660 mg/kg rat; 5330 mg/kg guinea pig

### Effects of acute exposure

<b>Eye</b>	Direct contact with eye may cause irritation.
<b>Skin</b>	Direct contact with skin may cause irritation.
<b>Inhalation</b>	Not a likely route of entry. Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Chronic effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Carcinogenicity</b>	See below.

#### ACGIH - Threshold Limit Values - Carcinogens

Sodium tetraborate decahydrate 1303-96-4 A4 - Not Classifiable as a Human Carcinogen

<b>Mutagenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Reproductive effects</b>	Borates may cause harmful reproductive effects based on animal data.
<b>Teratogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Synergistic Materials</b>	Not available

## 12. Ecological Information

**Ecotoxicity** See below

#### Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Citric acid	77-92-9	96 Hr LC50 <i>Lepomis macrochirus</i> : 1516 mg/L [static]
Sodium dodecylbenzenesulfonate	25155-30-0	96 Hr LC50 <i>Oncorhynchus mykiss</i> : 10.8 mg/L [static]

#### Ecotoxicity - Water Flea - Acute Toxicity Data

Citric acid	77-92-9	72 Hr EC50 <i>Daphnia magna</i> : 120 mg/L
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<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available

<b>Persistence / degradability</b>	This product is biodegradable.
<b>Bioaccumulation / accumulation</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Chemical fate information</b>	Not available
<b>Other adverse effects</b>	Not available

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### 13. Disposal Considerations

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<b>Waste codes</b>	Not available
<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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### 14. Transport Information

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#### U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

#### Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

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### 15. Regulatory Information

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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

#### Canada - WHMIS - Ingredient Disclosure List

Citric acid	77-92-9	1 %
Sodium dodecylbenzenesulfonate	25155-30-0	1 %
Sodium tetraborate decahydrate	1303-96-4	1 %

**US Federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Sodium dodecylbenzenesulfonate	25155-30-0	1000 Lb final RQ; 454 kg final RQ
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#### U.S. - CWA (Clean Water Act) - Hazardous Substances

Sodium dodecylbenzenesulfonate	25155-30-0	Present
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#### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical** Yes

#### CERCLA (Superfund) reportable quantity

Sodium dodecylbenzene sulfonate: 1000.0000

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Not available

**WHMIS status** Controlled

**WHMIS classification** Class D - Division 2A, 2B

**WHMIS labeling**



**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

Sodium dodecylbenzenesulfonate	25155-30-0	Present (exempt when in solution)
Sodium tetraborate decahydrate	1303-96-4	Present (exempt except when present as free crystal/powder)

**U.S. - Illinois - Toxic Air Contaminants**

Sodium tetraborate decahydrate	1303-96-4	Present
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**U.S. - Louisiana - Reportable Quantity List for Pollutants**

Sodium dodecylbenzenesulfonate	25155-30-0	1000 Lb final RQ; 454 kg final RQ
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**U.S. - Massachusetts - Right To Know List**

Sodium dodecylbenzenesulfonate	25155-30-0	Present
Sodium tetraborate decahydrate	1303-96-4	Present

**U.S. - Minnesota - Hazardous Substance List**

Sodium tetraborate decahydrate	1303-96-4	Present
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**U.S. - New Jersey - Right to Know Hazardous Substance List**

Sodium dodecylbenzenesulfonate	25155-30-0	sn 1698
Sodium tetraborate decahydrate	1303-96-4	sn 0241

**U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances**

Sodium dodecylbenzenesulfonate	25155-30-0	1000 Lb RQ (air); 100 lb RQ (land/water)
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**U.S. - Pennsylvania - RTK (Right to Know) List**

Sodium dodecylbenzenesulfonate	25155-30-0	Environmental hazard
Sodium tetraborate decahydrate	1303-96-4	Present

**U.S. - Rhode Island - Hazardous Substance List**

Sodium tetraborate decahydrate	1303-96-4	Toxic
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**Inventory name**

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**Further information**

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15-Oct-2010

**Expiry date**

15-Oct-2013

**Prepared by**

**Housechem (201) 445-8808**

**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.