

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product name** Roto-Rooter Urinal Block  
Formula Number UB-928U

**CAS #** Mixture

**Product use** Urinal deodorant

**Manufacturer** Roto-Rooter Corp.  
300 Ashworth Road  
West Des Moines, IA 50265 US  
Phone: 515-223-1343  
Emergency Phone: 1-800-424-9300 (CHEMTREC)

## 2. Hazards Identification

**Emergency overview** WARNING  
MAY CAUSE EYE IRRITATION.  
MAY CAUSE SKIN IRRITATION.  
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.

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

**Potential environmental effects** See section 12.

## 3. Composition/Information on Ingredients

Components	CAS #	Percent
Sodium sulfate	7727-73-3	30 - 60
Sodium tetraborate pentahydrate	12179-04-3	15 - 40
Sodium dodecylbenzenesulfonate	25155-30-0	3 - 7
Fatty acids, coco, sodium salts	61789-31-9	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** Brush away excess of dry material. Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. 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 and precautions 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 sulfur.
<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>	Avoid contact with skin and eyes. Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.
<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. Avoid contact with skin and clothing. Avoid contact with eyes. Keep container tightly closed. Use only with adequate ventilation. Wash thoroughly after handling. Avoid breathing dust.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials.

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## 8. Exposure Controls/Personal Protection

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**Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Sodium tetraborate pentahydrate (CAS 12179-04-3)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.

**Exposure limits** Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH.

**Engineering controls** General ventilation normally adequate.

## Personal protective equipment

<b>Eye / face protection</b>	Take prudent precautions to avoid contact with eyes. 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>	Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

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## 9. Physical and Chemical Properties

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<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>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, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Solubility (water)</b>	Complete
<b>Relative density</b>	Not available.
<b>Viscosity</b>	Not available.
<b>VOC</b>	Not available
<b>Percent volatile</b>	Not available

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<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 sulfur.

## 11. Toxicological Information

### Toxicological data

Components	Species	Test Results
Fatty acids, coco, sodium salts (CAS 61789-31-9)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Sodium dodecylbenzenesulfonate (CAS 25155-30-0)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	2700 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	438 mg/kg
Sodium sulfate (CAS 7727-73-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	5989 mg/kg
	Rat	> 10000 mg/kg
Sodium tetraborate pentahydrate (CAS 12179-04-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 1055 mg/kg
		2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	2 mg/l/4h
<i>Oral</i>		
LD50	Rat	3305 mg/kg
		2660 mg/kg

### Effects of acute exposure

<b>Eye contact</b>	Direct contact with eye may cause irritation.
<b>Skin contact</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.
<b>ACGIH Carcinogens</b>	
Sodium tetraborate pentahydrate (CAS 12179-04-3)	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.

Name of Toxicologically Synergistic Products Not available.

## 12. Ecological Information

Ecotoxicity See below

### Ecotoxicological data

#### Components

#### Species

#### Test Results

Sodium dodecylbenzenesulfonate (CAS 25155-30-0)

#### Aquatic

Crustacea

EC50

Water flea (Ceriodaphnia dubia)

3.26 - 14.51 mg/l, 48 hours

Fish

LC50

Rainbow trout, donaldson trout (Oncorhynchus mykiss)

3.2 - 5.6 mg/l, 96 hours

Sodium sulfate (CAS 7727-73-3)

#### Aquatic

Crustacea

EC50

Water flea (Ceriodaphnia dubia)

5634 - 6993 mg/l, 48 hours

Fish

LC50

Striped bass (Morone saxatilis)

790 mg/l, 96 hours

Sodium tetraborate pentahydrate (CAS 12179-04-3)

#### Aquatic

Fish

LC50

Western mosquitofish (Gambusia affinis)

104 mg/l, 96 hours

**Persistence and degradability** This product is biodegradable.

**Bioaccumulation / Accumulation** Not available

**Mobility in environmental media** Not available.

**Environmental effects** Not available.

**Aquatic toxicity** Not available.

#### Partition coefficient

Sodium dodecylbenzenesulfonate

0.45

**Chemical fate information** Not available.

## 13. Disposal Considerations

**Disposal instructions** Dispose in accordance with all applicable regulations.

**Waste from residues / unused products** Not available

**Contaminated packaging** Not available

## 14. Transport Information

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

Not regulated as dangerous goods.

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

Not regulated as dangerous goods.

## 15. Regulatory Information

**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: Threshold limits

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) 1 %

Sodium tetraborate pentahydrate (CAS 12179-04-3) 1 %

**WHMIS status** Controlled

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

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200** Yes  
**hazardous chemical**

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

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**US CWA Section 311 Hazardous Substances: Listed substance**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**CERCLA (Superfund) reportable quantity**

Sodium dodecylbenzenesulfonate: 1000

**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

**Clean Water Act (CWA)**

Hazardous substance

**State regulations**

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

**US - California Hazardous Substances (Director's): Listed substance**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**US - Illinois Chemical Safety Act: Listed substance**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

**US - Louisiana Spill Reporting: Listed substance**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

**US - Minnesota Haz Subs: Listed substance**

Sodium tetraborate pentahydrate (CAS 12179-04-3) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

Sodium tetraborate pentahydrate (CAS 12179-04-3) Listed.

**US - New York Release Reporting: Hazardous Substances: Listed substance**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

**US - Texas Effects Screening Levels: Listed substance**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

Sodium sulfate (CAS 7727-73-3) Listed.

Sodium tetraborate pentahydrate (CAS 12179-04-3) Listed.

**US. Massachusetts RTK - Substance List**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

Sodium sulfate (CAS 7727-73-3) Listed.

Sodium tetraborate pentahydrate (CAS 12179-04-3) Listed.

**US. Pennsylvania RTK - Hazardous Substances**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

Sodium sulfate (CAS 7727-73-3) Listed.

Sodium tetraborate pentahydrate (CAS 12179-04-3) Listed.

**US. Rhode Island RTK**

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

**Inventory status**

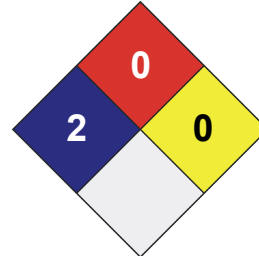
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>HEALTH</b>	* 2
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	X

**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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**Prepared by**

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**Other information**

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

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.