

## Section 1

## Product Description

Product Name:	BSI-104 RTU Bowl Bright
Recommended Uses:	Toilet Bowl and Urinal Cleaner
Distributor:	Best Sanitizers, Inc. PO Box 1360 Penn Valley, CA 95946
Chemical Information Emergency: Chemtrec	1.800.424.9300

## Section 2

## Hazard Identification

OSHA Regulatory Status--This chemical is considered hazardous by the 2012 OSHA Hazard Communication (29 CFR §1910.1200).

Acute toxicity--Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

DANGER



### Hazard Statements

Harmful if inhaled  
Causes severe skin burns and eye damage

**Appearance**—Aqueous solution

**Physical State**—Liquid

**Odor**—Mild

### Precautionary Statements—Prevention

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

### Precautionary Statements—Response

Immediately call a POISON CENTER or doctor/physician.  
Specific treatment (See Section 4 on SDS for more information).  
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 (hair) with water. Wash contaminated clothing before reuse.  
IF INHALED: Move victim to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

### Precautionary Statements—Storage

Store Locked Up.

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## Precautionary Statements—Disposal

Dispose of contents/container to an approved waste disposal plant.

## Hazards not otherwise classified (HNOC)

Not Applicable

## Section 3

## Composition/Information on Ingredients

Chemical Name	CAS No.	Weight-%
Water	7732-18-5	78-82
Phosphoric acid	7664-38-2	13-17
Trade Secret 1	Proprietary	< 1
Trade Secret 2	Proprietary	< 1
Trade Secret 3	Proprietary	< 0.5
Trade Secret 4	Proprietary	< 0.5
Trade Secret 5	Proprietary	< 0.5
Ethyl Alcohol	64-17-5	< 0.5

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## Section 4

## First Aid Measures

### First Aid Measures

#### Eye Contact

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Seek immediate medical attention/advice.

#### Skin Contact

Wash off immediately with soap and plenty of water. Wash contaminated clothing and shoes before reuse. For severe burns, immediate medical attention is required.

#### Inhalation

Remove to fresh air. Administer oxygen if breathing is difficult. Call a physician immediately.

#### Ingestion

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

### Most important symptoms and effects, both acute and delayed

#### Symptoms

See Section 11 for symptom information.

### Indication of any immediate medical attention and special treatment needed

#### Note to physicians

Treat symptomatically.

## Section 5

## Fire-Fighting Measures

### Suitable Extinguishing Media

Dry Chemical, Water spray (fog), Carbon dioxide (CO<sub>2</sub>), Foam.

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## Unsuitable extinguishing Media

No Information available.

## Specific hazards arising from the chemical

No Information available.

Hazardous combustion products      Carbon Monoxide. Carbon dioxide (CO<sub>2</sub>). Phosphorus oxides.

## Explosion Data

Sensitivity to Mechanical Impact      None

Sensitivity to Static Discharge      None

## 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. Cool containers with flooding quantities of water until well after fire is out. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

## Section 6

## Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions      Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

For emergency responders      Isolate area. Keep unnecessary personnel away.

### Environment Precautions

Environmental Precautions      Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

### Methods and Material for Containaning up

Methods for containment      Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).

Methods for Cleaning up      Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

## Section 7

## Handling and Storage

### Precautions for safe handling

Advice on safe handling      Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

Storage Conditions      Keep Containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

Incompatible materials      Chlorinated compounds. Cyanides. Alkali. Certain soft metals.

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## Section 8

## Protection Information

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric acid 7664-38-2	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated)STEL: 3 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

### Appropriate Engineering Controls

Engineering Controls                      Showers, eyewash stations, ventilation system.

### Individual Protection Measures, such as personal protective equipment

Eye/Face protection	Splash proof chemical goggles and face shield.
Skin and body protection	Wear protective Neoprene™ gloves. Rubber gloves. Normal work clothing (long sleeved shirt and long pants) is recommended. Apron is recommended.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.

## Section 9

## Physical and Chemical Properties

### Information on basic physical and chemical properties

Formula:	See Section 3	Physical State:	Liquid
Odor:	Mild	Appearance:	Aqueous solution
Odor Threshold:	No Information Available	Color:	Clear, colorless

### Property

### Values

### Remarks—Method

pH	1	±1 @ 21°C
Melting Point/Freezing Point	<-6.7°C / <20° F	
Boiling Point/Boiling Range	No information available	
Flash Point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	

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Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Specific Gravity	1.1 g/cc
Water solubility	Completely Soluble
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

## Section 10

## Stability and Reactivity Data

<b>Reactivity</b>	No Data available.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Chlorinated compounds. Cyanides. Alkali. Certain metals.
<b>Hazardous Decomposition Products</b>	Carbon Monoxide. Carbon dioxide (CO <sub>2</sub> ). Phosphorus oxides.

## Section 11

## Toxicity Data

### Information on likely routes of exposure

Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system. Vapors may be irritating to eyes, nose throat, and lungs.
Eye Contact	Risk of serious damage to eyes. Corrosive to the eyes and may cause severe damage including blindness.
Skin Contact	Corrosive. Contact causes severe skin irritation and possible burns.
Ingestion	Harmful if swallowed. Can burn mouth, throat, and stomach. Ingestion causes burns.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Phosphoric acid 7664-38-2	= 1530 mg/kg (Rat)	= 2740 mg/kg (Rabbit)	> 850 mg/m <sup>3</sup> (Rat) 1 h
Trade Secret 1	= 1378 mg/kg (Rat)	> 2 g/kg (Rabbit)	-
Trade Secret 2	= 426 mg/kg (Rat)	-	-
Trade Secret 3	= 238 mg/kg	= 3342 mg/kg	-
Trade Secret 4	= 238 mg/kg	= 3342 mg/kg	-
Trade Secret 5	= 84 mg/kg (Rat)	> 1000 mg/kg (Rat)	-
Ethyl Alcohol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h

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## Information on toxicological effects

Symptoms No Information Available

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No Information Available

Germ cell mutagenicity No Information Available

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	-	Known	X

Reproductive toxicity No Information Available

STOT single exposure No Information Available

STOT repeated exposure No Information Available

Aspiration hazard No Information Available

## Numerical measures of toxicity -Product Information

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity

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

**Oral LD50** 10200 mg/kg

**Dermal LD50** 15448 mg/kg

**Mist** 1.42 mg/L

## **Section 12 Ecological Information**

**Ecotoxicity** Toxic to aquatic life with long lasting effects

2.002% of the mixture consists of component(s) of unknown hazards to the aquatic environment .

Chemical Name	Fish	Crustacea
Ethyl Alcohol 64-17-5	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50
Phosphoric Acid 7664-38-2	3-3.5: 96 h Gambusia affinis mL/L LC50	4.6: 12 h Daphnia magna mg/L EC50

## Persistence and Degradability

No Information Available

## Bioaccumulation

Chemical Name	Partition Coefficient
Ethyl Alcohol 64-17-5	-0.32

## Mobility

Soluble in water

## Other adverse effects

No information available

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## Section 13 Disposal Information

### Waste treatment methods

Disposal of wastes

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

Contaminated packaging

Dispose of in accordance with federal, state and local laws and regulations.

Chemical Name	California Hazardous Waste Status
Phosphoric Acid 7664-38-2	Corrosive
Ethyl Alcohol 64-17-5	Toxic                      Ignitable

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## Section 14

## Transport Information

### DOT

**UN/ID No.** 1760  
**Proper shipping name** Corrosive liquids, n.o.s. (contains phosphoric acid)  
**Hazard Class** 8  
**Packing Group** III

**Emergency Response Guide Number** 154

## Section 15

## Regulatory Information

### International Inventories

**TSCA** Complies  
**DSL/NDSL** Complies  
**EINECS/ELINCS** Does not comply

### 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

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization 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.

#### **SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

### 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).

<b>Chemical Name</b>	<b>CWA- Reportable Quantities</b>	<b>CWA-Toxic Pollutants</b>	<b>CWA-Priority Pollutants</b>	<b>CWA-Hazardous Substances</b>
Phosphoric acid 7664-38-2	5000 lb	-	-	X



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## CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environment Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	CERCLAS/SARA RQ	Reportable Quantity (RQ)
Phosphoric acid 7664-38-2	5000 lb	.	RQ 5000 lb final RQ RQ 2270 kg final RQ

## US State Regulations

### California Proposition 65

Ethyl alcohol is only a considered a Proposition 65 development hazard when it is ingested as an alcoholic beverage.

Chemical Name	California Proposition 65
Ethyl Alcohol 64-17-5	Carcinogen Developmental

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric acid 7664-38-2	X	X	X
Ethyl Alcohol 64-17-5	X	X	X

## U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

## Section 16

## Additional Information

<u>NFPA</u>	Health Hazards	Flammability	Instability	Physical and Chemical Properties
	2	0	0	Corrosive, Acid
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal protection
	2	0	0	C (safety glasses, gloves, synthetic apron)

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### 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