

**VORTEX Non-Acid Disinfectant Bowl and Restroom Cleaner**

Version Number: 1

Preparation date: 2005-08-15

1. PRODUCT AND COMPANY IDENTIFICATION	
<b>Product name:</b>	VORTEX Non-Acid Disinfectant Bowl and Restroom Cleaner
<b>MSDS #:</b>	MS0600164
<b>Product code:</b>	U22662, U22663
<b>Recommended use:</b>	Restroom Care .
<b>Manufacturer, importer, supplier:</b>	Unisource Worldwide, Inc. 6600 Governors Lake Parkway Norcross, GA 30071 Phone: 770-447-9000 MSDS Internet Address: www.unisourcelink.com
<b>Emergency telephone number:</b>	1-888-660-6737

2. HAZARDS IDENTIFICATION	
<b>EMERGENCY OVERVIEW</b>	
<ul style="list-style-type: none"> <li>• CAUTION</li> <li>• CAUSES EYE IRRITATION</li> </ul>	
<b>Principle routes of exposure:</b>	<ul style="list-style-type: none"> <li>• Eyes</li> <li>• Skin</li> <li>• Inhalation</li> </ul>
<b>Eye contact:</b>	• Moderately irritating to the eyes
<b>Skin contact:</b>	• May be mildly irritating to skin
<b>Inhalation:</b>	• None known
<b>Ingestion:</b>	• None known

**3. COMPOSITION/INFORMATION ON INGREDIENTS**
**HAZARDOUS COMPONENTS**

Ingredient	CAS #	Weight %
Isopropyl alcohol	67-63-0	1 - 5 %
N-alkyl dimethyl benzyl ammonium chlorides	68391-01-5	0.1 - 1.5%
N-alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	<0.1%

**HAZARDOUS COMPONENTS**

Ingredient	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropyl alcohol	5000 mg/kg (rat)	12800 mg/kg (rabbit)	16000 ppm/8H (rat)
N-alkyl dimethyl benzyl ammonium chlorides	Not available	Not available	Not available
N-alkyl dimethyl ethylbenzyl ammonium chlorides	Not available	Not available	Not available

**4. FIRST AID MEASURES**

<b>Eye contact:</b>	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes
<b>Skin contact:</b>	<ul style="list-style-type: none"> <li>• Flush immediately with plenty of water</li> <li>• Get medical attention if irritation occurs</li> </ul>
<b>Inhalation:</b>	• No specific first aid measures are required
<b>Ingestion:</b>	• No specific first aid measures are required
<b>Aggravated Medical Conditions:</b>	• Persons with pre-existing skin disorders may be more susceptible to irritating effects

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	• Dry chemical, water spray, foam, carbon dioxide
<b>Specific hazards:</b>	• Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion
<b>Unusual hazards:</b>	• None known
<b>Specific methods:</b>	• No special methods required
<b>Special protective equipment for firefighters:</b> As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear	
<b>Extinguishing media which must not be used for safety reasons:</b>	
• None	

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	• Put on appropriate personal protective equipment (see Section 8.)
<b>Environmental precautions and clean-up methods:</b>	• Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

### 7. HANDLING AND STORAGE

<b>Handling:</b>	• Avoid contact with skin and eyes
FOR COMMERCIAL AND INDUSTRIAL USE ONLY.	
<b>Storage:</b>	• Protect from freezing • Keep tightly closed in a dry, cool and well-ventilated place • Keep out of the reach of children

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures to reduce exposure:</b>	
• No special ventilation requirements • General room ventilation is adequate	
<b>Personal Protective Equipment</b>	
<b>Eye protection:</b>	• Safety glasses with side-shields
<b>Hand protection:</b>	• No special requirements under normal use conditions
<b>Skin and body protection:</b>	• No special requirements under normal use conditions
<b>Respiratory protection:</b>	• No special requirements under normal use conditions
<b>Hygiene measures:</b>	• Handle in accordance with good industrial hygiene and safety practice

#### Personal protective equipment

Ingredient	CAS #	ACGIH	OSHA	Mexico
Isopropyl alcohol	67-63-0	400 ppm (STEL) 200 ppm (TWA)	980 mg/m <sup>3</sup> 400 ppm	1225 mg/m <sup>3</sup> (STEL) 980 mg/m <sup>3</sup> (TWA)

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Aqueous solution
<b>Color:</b>	Blue	<b>Odor:</b>	Floral
<b>Specific gravity:</b>	1.0	<b>pH:</b>	6.5-7.5
<b>Dilution pH:</b>	No information available.	<b>Density:</b>	8.33
<b>Bulk density:</b>	No information available	<b>Vapor density:</b>	No information available
<b>Evaporation rate:</b>	No information available	<b>Solubility:</b>	Soluble
<b>VOC:</b>	2.3	<b>Viscosity:</b>	No information available
<b>Solubility in other solvents:</b>	No information available		
<b>Partition coefficient (n-octanol/water):</b>	No information available		
<b>Boiling point/range:</b>	Not determined		

<b>Melting point/range:</b>	Not determined
<b>Flash point:</b>	>142 (°F) >61.1 (°C)
<b>Decomposition temperature:</b>	Not determined
<b>Autoignition temperature:</b>	No information available

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	• The product is stable
<b>Polymerization:</b>	• Hazardous polymerisation does not occur.
<b>Hazardous decomposition products:</b>	• None reasonably foreseeable.
<b>Conditions to avoid:</b>	• Do not freeze

### 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	Oral LD50 estimated to be greater than 5000 mg/kg Dermal LD50 estimated to be > 2000 mg/kg
<b>Component Information:</b>	• See Section 3
<b>Chronic toxicity:</b>	• None known
<b>Specific effects</b>	
<b>Carcinogenic effects:</b>	• None known
<b>Mutagenic effects:</b>	• None known
<b>Reproductive toxicity:</b>	• None known
<b>Target organ effects:</b>	• None known

### 12. ECOLOGICAL INFORMATION

<b>Environmental Information:</b>	• no data available
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### 13. DISPOSAL CONSIDERATIONS

<b>Waste from residues / unused products:</b>	• Dispose of according to all federal, state and local applicable regulations
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### 14. TRANSPORT INFORMATION

<b>DOT/TDG:</b>	• Please refer to the Bill of Lading/receiving documents for up to date shipping information
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### 15. REGULATORY INFORMATION

<b>International Inventories</b>	
All components of this product are listed on the following inventories: U.S.A. (TSCA).	
<b>U.S. Regulations</b>	
EPA Reg. No. : 5736-102-82440	
<b>California Proposition 65:</b> This product is not subject to the reporting requirements under California's Proposition 65	
<b>SARA 311/312 Hazard Categories</b>	
<b>Immediate:</b>	Y
<b>Delayed:</b>	N
<b>Fire:</b>	Y
<b>Reactivity:</b>	N
<b>Sudden Release of Pressure:</b>	N

<b>Canada</b>		
<b>Ingredient</b>	<b>CAS #</b>	<b>NPRI</b>
Isopropyl alcohol	67-63-0	Listed

<b>WHMIS hazard class:</b>	Not for sale in Canada.
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**STATE RIGHT TO KNOW**

Ingredient	CAS #	NJRTK:	MARTK:	PARTK:	RIRTK:	ILRTK:	CTR TK:
Water	7732-18-5	-	-	-	-	-	-
Isopropyl alcohol	67-63-0	Listed	Listed	Listed	Listed	Listed	Listed
N-alkyl dimethyl benzyl ammonium chlorides	68391-01-5	-	-	-	-	-	-
N-alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	-	-	-	-	-	-

**CERCLA / SARA**

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Isopropyl alcohol	67-63-0	1 - 5 %	100		Listed.

CAA HAP/CAA ODS/CWA Priority Pollutants: None

**16. OTHER INFORMATION**

HMIS	Health	1	Fire Hazard	1	Reactivity	0
NFPA	Health:	1	Flammability:	1	Instability:	0

**Reason for revision:** Not applicable**Prepared by:** NAPRAC**Additional advice:** None

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