

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:

QVS, Inc.
238 Industrial Park Drive
Soddy Daisy, TN 37379 U.S.A.
Phone: (423) 332- 7195
FAX: (423) 332-9499

Health Emergency Phone Number:

(800) 752-7869 ext. 5 Illinois Poison Control Center

D.O.T. Emergency Phone Number:

(800) 424-9300 Chemtrec

Product Name(s): Bar Glass Last Rinse Sanitizer

Intended Use: Last rinse sanitizer for bar and restaurant glassware and also for use as a in sanitizing shake and soft serve machines, kitchen sinks, kitchen utensils, cooking equipment, and other hard surfaces in restaurants.

Product Restrictions: Do not use undiluted. **FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.**

EPA REGISTRATION: 66721-2

Product Description: EPA registered chlorinated sanitizer

2. HAZARDS IDENTIFICATION

PRODUCT CLASSIFICATION (substance/mixture): SOLID (powder)

HAZARD STATEMENTS (Acute and Chronic): Eye, Skin

CONCENTRATE: CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed.

Use Dilution: May cause irritation to eyes, skin, respiratory, stomach, mouth and throat.

PRECAUTIONARY STATEMENTS:

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wear appropriate personal protection equipment (see section 8) and completely read product label and SDS before using, handling, or dispensing product. Wash thoroughly with soap and water after handling and before doing anything else. Do not swallow and keep away from food, feed and/or drinking water. Wash contaminated clothing before reuse. KEEP OUT OF REACH OF CHILDREN. It is against federal law to use this product inconsistent with its labeling. Store in original closed container, in a cool dry area, away from oxidizers.

SIGNAL WORD:

CONCENTRATE: DANGER

Use Dilution: DANGER

ADDITIONAL WARNING LABEL (corrosive, flammable, etc.):

No additional warnings needed for either the concentrated or use dilution forms.

PICTOGRAM:

CONCENTRATE:  none

USE DILUTION:  none

CONCENTRATE

HMIS RATING	
Health Hazard	3
Fire Hazard	0
Reactivity	0
Physical hazard	0
Special Hazard Warning	CORROSIVE
Personal Protection	B
0 - none, 1 - slight, 2 - moderate, 3 - high, 4 - severe	

USE DILUTION

HMIS RATING	
Health Hazard	1
Fire Hazard	0
Reactivity	0
Physical hazard	0
Special Hazard Warning	none
Personal Protection	none
0 - none, 1 - slight, 2 - moderate, 3 - high, 4 - severe	

PICTOGRAM(S) REFERENCE TABLE



Irritant
Skin Sensitizer
Acute (harmful) Toxicity
Respiratory Tract



Corrosive
Corrosive to metals
Skin Corrosion
Severe Eye damage



Respiratory Sensitizer
Carcinogen
Aspiration Hazard
Target Organ Toxicity
Reproductive Toxicity
Mutagenicity



Environmentally Toxic



Acute (severe) Toxicity



Flammable
Organic Peroxides
Self Reactives
Self Heating
Emits Flammable Gas
Pyrophoric



Oxidizers

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	EINECS #	PERCENT (by weight)
Sodium Sulfate	7757-85-6	231-820-9	10-60
Sodium dichlorosocyanurate dyhydrate	51580-86-0	220-767-7	10-25
Sodium tripolyphosphate	7758-29-4	231-838-7	5-25

COMMENTS: This mixture contains non-hazardous or small enough quantities as to meet paragraph (d) of 29 CFR§1910.1200 regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product. Diluted product is not classified as hazardous according to OSHA 29CFR1910.1200.

4. FIRST AID MEASURES

SYMPTOMS: (Acute & Delayed): none known

Concentrate: burns to eyes and skin

Use Dilution: irritation to eyes and skin

INHALATION:

CONCENTRATE: Move person to fresh air.

USE DILUTION: If irritated, get fresh air.

INGESTION: Call a poison control center or doctor immediately for treatment advice. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

CONCENTRATE: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

USE DILUTION: If irritated, rinse mouth with plenty of water. Do not induce vomiting.

SKIN CONTACT:

CONCENTRATE: Take off contaminated clothing (wash before reuse). Rinse skin immediately with plenty of water for 15-20 minutes.

USE DILUTION: If irritated, rinse with plenty of water.

EYE CONTACT:

CONCENTRATE: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes and then continue rinsing eye. Dispose of contact lens.

USE DILUTION: If irritated, rinse eyes gently with water for several minutes.

BOTH CONCENTRATE & USE DILUTION: **SEEK MEDICAL ATTENTION IF ANY SYMPTOMS DEVELOP OR PERSIST.** It is always best to either carry the product container, label and/or SDS when seeking medical attention. First aid listed is for both concentrated and use dilution forms unless stated otherwise. IN AN EMERGENCY, call 911. All SDS' are on file with the Illinois Poison Control Center (1-800-752-7869).

5. FIRE FIGHTING MEASURES

EXTINGUISHING METHOD: water spray or carbon dioxide (CO₂); dry chemical powder; foam

FIREFIGHTING PRECAUTIONS: wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved) and full protective gear.

UNUSUAL FIRE, EXPLOSTION, COMBUSTION HAZARDS: none known

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS / PROTECTIVE EQUIPMENT / EMERGENCY PROCEDURES: Wear appropriate personal protection equipment (see section 8). Isolate area of spill.

SPILL CLEANUP PROCEDURES/CONTAINMENT: Sweep up and place in appropriate container and then water rinse area to drain.

COMMENT: All spill containment and spill cleanup procedures must first be in accordance with federal, state, local, and environmental agencies applicable laws and regulations. Always check with local water treatment plant before pouring chemicals down a drain.

7. HANDLING AND STORAGE

HANDLING (concentrate & use dilution):

Always wear appropriate PPE (see section 8). Never allow product to come into contact with drinking water or food. Thoroughly wash hands after handling and before doing anything else. **KEEP OUT OF REACH OF CHILDREN.**

STORAGE (concentrate & use dilution):

Powder form should be stored in cool, dry area away from heat and moisture. Avoid direct sunlight. Liquid form is not intended to be stored.

COMMENTS: Drums, totes, concentrate gallon, concentrate 2.5 gallon, concentrate quart and ready-to-use quart bottles are non refillable containers. Do not refill or reuse these containers. Always completely read the product label and the SDS before using, handling, or dispensing product. It is against federal law to use product inconsistent with its labeling. **FOR INSTITUTIONAL AND INDUSTRIAL USE ONLY.**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENT	CAS#	EINECS #	OSHA PEL (ppm)	ACGIH TLV (ppm)
none				

VENTILATION: General room ventilation.

RESPIRATORY:

Concentrate: None required in recommended use of product.

Use Dilution: None required in recommended use of product; however, if bothersome, a face mask should be worn.

SKIN PROTECTION:

Concentrate: Recommend chemical resistant gloves.

Use Dilution: None required. For sensitive hands recommend protective gloves (rubber, neoprene).

EYE PROTECTION:

Concentrate: Recommend face shield, goggles.

Use Dilution: none required under normal use conditions; however, safety goggles could be worn to protect eyes from spills or splashes.

OTHER PROCEDURES: Check with employer and attain appropriate personal protection equipment for the job especially if there is sensitivity to the product. If necessary, an eye wash station and/or emergency showers should be readily available (always check with State and County laws and regulations concerning PPE or wash stations). Practice safe workplace habits. Always wash hands thoroughly immediately after handling and before doing anything else. Always read and follow directions on container and completely read SDS before using, handling, or dispensing product.

9. PHYSICAL AND CHEMICAL PROPERTIES

CONCENTRATE [use dilution]

Appearance:	White powder [clear liquid]	Flammable:	no
Odor:	chlorine	upper / lower limits:	NA [ND]
Odor threshold:	ND	Flash Point:	NA [>200°F]
Solubility:	NA [complete]	Auto-ignition Temp.:	ND
Boiling Point:	NA [>212°F]	Partition coefficient: (n-octanol/water)	ND
Melting Point:	NA [ND]	Decomposition Temp:	ND
Freezing Point:	NA [ND]	Vapor Density: (air = 1)	ND
Viscosity:	NA [like water]	Vapor Pressure at 68°F:	ND
Relative Density (to water):	NA [1.0]	Evaporation Rate: (water = 1)	ND
pH:	NA [8.5 to 10.5]	% Volatile	0%

10. STABILITY AND REACTIVITY

STABILITY / HAZARDOUS DECOMPOSITION / HAZARDOUS DECOMPOSITION: product is stable and no hazardous decomposition nor polymerization will occur under normal conditions.

CONDITIONS TO AVOID: mixing with other chemicals. Acids, oxidizers, ammonia, organic solvents.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation, Ingestion, skin, eyes.

SYMPTOMS: Burning or irritation

DELAYED/IMMEDIATE/CHRONIC EFFECTS: Pain and redness on skin and eyes (watering), stomach pain/nausea, coughing.

***CARCINOGENICITY:** (concentrate & dilution forms) IARC: no NTP: no OSHA: no

COMMENTS: The information provided is based on analysis of like mixtures and information on the individual ingredients (fisher.sci.com).

12. ECOLOGICAL INFORMATION *

ECOTOXICITY: Toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant discharge elimination Systems permit and the permitting authority has been notified in writing prior to discharge.

SODIUM SULFATE:

Ecotoxicity: Fish: Bluegill/Sunfish: LC50 = 12,750 ppm; 96 Hr; Static bioassay flea Daphnia: LC50 = 4547 mg/L; 96 Hr; Unspecified Fathead Minnow: LC50 = 13,500-14,000 mg/L; 24 - 96 Hr; Unspecified Mosquito Fish: LC50 = 17,500 mg/L; 96 Hr; Unspecified This chemical is not expected to cause oxygen depletion in aquatic systems. It has a low potential to affect aquatic organisms and is expected to have a low potential to affect secondary waste treatment microorganisms.

Environmental: Sodium sulfate may persist indefinitely in the environment, but is not likely to show bioaccumulation or food chain contamination effects. If diluted with water, this chemical released directly or indirectly into the environment is not expected to have a significant impact.

PERSISTENCE & DEGRADABILITY: NK

BIOACCUMULATIVE POTENTIAL: NK

OTHER ADVERSE EFFECTS (including soil mobility): NK

COMMENTS: Opinion is not to allow undiluted product to reach ground water, water course, or sewage system.

13. DISPOSAL CONSIDERATIONS *

CONTAINER(s):

Disposal of container(s) must be in accordance with federal, state, local, and environmental agencies applicable laws and regulations.

WASTE:

Disposal of waste must be in accordance with federal, state, local, and environmental agencies applicable laws and regulations.

U.S. RCRA (Resource, Conservation & Recovery Act, 40 CFR 261): not regulated

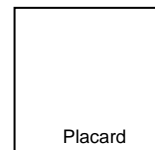
COMMENTS: According to RCRA, it is the responsibility of the user of the product to determine (at the time of disposal) whether the waste solution meets RCRA criteria for hazardous waste.

14. TRANSPORTATION INFORMATION *

BILL OF LADING INFORMATION (UN#, proper shipping name, hazard class, Packing Group#, ERG# and if applicable, Marine Pollutant):

Not regulated as a hazardous material

Cleaning Compound, not regulated as a hazardous material



WHMIS INFORMATION (Canada TDG):

Refer to Canadian authorities

NOTE: It is not the intention of the manufacturer to ship outside the USA. If product is shipped outside the USA then it is the responsibility of the shipper (not the manufacturer) to provide all complete and correct information/paperwork needed to all proper authorities.

MARINE POLLUTANT: No

COMMENTS: Transportation information provided is for reference only. Customer is urged to consult 49 CFR §100-177, IMDG, IATA, EC, UN TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials, methods of shipping, etc. Manufacturer is located in United States and not intended for export. If distributed outside USA, distributor assumes all responsibility for all documentation required for export.

D.O.T. PICTOGRAM(S) REFERENCE TABLE



Corrosive



Marine Pollutant



Flammable Liquid



Flammable Solid



Combustibles



Oxidizer



Organic Peroxides



Acute Toxic (Poisons)



Inhalation Hazard



Miscellaneous Hazard

15. REGULATORY INFORMATION ***UNITED STATES OF AMERICA****TSCA** (Toxic Substance Control Act):

All ingredients are on this list or are exempt.

CERCLA (Comprehensive Response Compensation and Liability Act 40 CFR 302.4):

Sodium Tripolyphosphate (CAS# 7758-29-4): 5,000

CWA (Clean Water Act):

None of the ingredients are listed as hazardous substances, priority pollutants or toxic pollutants.

CAA (Clean Air Act):

None of the ingredients contain any hazardous air pollutants.

SARA TITLE III (Superfund Amendments and Reauthorization Act):**302** (Extremely Hazardous Category, 40 CFR 370):

None known

311/312 (Hazard Category, 40 CFR 370):

Immediate

313** Toxic chemical (Reportable Ingredients, 40 CFR 372):

No ingredient above the minimum level is listed.

** **NOTE:** indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372. See Section 3 for CAS numbers and percent by weight.

CALIFORNIA PROP 65 (Safe drinking water and toxic Enforcement Act of 1865):

None of the ingredients are listed.

STATES WITH REGULATIONS OR EXCEPTIONS:

Sodium Sulfate (CAS# 7757-82-6) MA, PA RTK lists

Sodium tripolyphosphate (CAS# 7758-29-4) MA, PA, CT RTK lists

Sodium dichloroisocyanurate dehydrate (CAS# 51580-86-0) MA, PA, NJ RTK lists

EPA REGISTRATION: 66721-2

Pesticide product federally regulated under the Environmental Protection Agency and is subject to the requirements by that agency including the criteria for labeling, directions for use and hazard classification.

CANADA WHMIS CLASSIFICATION:**CPR** (Canadian Controlled Products Regulation): Not known**IDL** (Canadian Ingredient Disclosure List): Listed**DSL** (Canadian Domestic Substance List): Listed**NDSL** (Canadian Non-Domestic Substance List): Not known

NOTE: It is not the intention of the manufacturer to ship outside the USA. If product is shipped outside the USA then it is the responsibility of the shipper (not the manufacturer) to provide all complete and correct information/paperwork needed to all proper authorities.

16. OTHER INFORMATION

SDS prepared by: Joseph Wilson

Date Prepared: 05/18/15

Supersedes: 11/21/09

DISCLAIMER:**INDUSTRIAL AND INSTITUTIONAL USE ONLY**

The manufacturer makes no warranties, expressed or implied as to the accuracy, completeness, or adequacy of the information contained herein. Data and calculations have been assembled by the manufacturer based on its own studies, testing of mixtures per OSHA guidelines, and on the information furnished by the manufacturers and researchers of the components of the product as well as data from similar products. Users are advised to confirm, in advance of need, that information is current, applicable and suited to the circumstances of use. Manufacturer of this product assumes no responsibility for injury, nor liability (regardless of fault) of damages to the vendee, the vendee's employees, third persons, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information or even proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, manufacturer assumes no responsibility for injury and/or damage caused by use outside of what said product is intended for. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

***Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29 CFR 1910.1200(g)(2)).**

SAFETY DATA SHEET REFERENCE MATERIALS

ANSI = American National Standards Institute
 BOD = Biological Oxygen Demand
 CAS = Chemical Abstract Services
 COD = Chemical Oxygen Demand
 D.O.T. = Department of Transportation
 EC = European Council
he = High Efficiency
 HMIS = Hazardous Materials Identification System
 IARC = International Agency for Research on Cancer
 IATA = International Air Transport Association
 IMDG = International Maritime Dangerous Goods
 N = no
 N.A. = North America
 NA = Not applicable
 ND = Not determined
 NE = Not established
 NIOSH = National Institute for Occupational Safety and Health
 NK = None known
 NTP = National Toxicology Program
 OSHA = Occupational Safety and Hazard Administration.
 PEL = permissible exposure limits
 PPE = Personal Protection Equipment
 SDS = Safety Data Sheet
 TDG = Transportation of Dangerous Goods
 Temp = temperature
 TLV = threshold limit values
 UN = United Nation
 Wgt = weight
 WHMIS = Workplace Hazardous Materials Identification System
 Y = yes

PERSONAL PROTECTION EQUIPMENT REFERENCE TABLE

A	Safety Glasses	G	Safety Glasses, Gloves, Vapor Respirator
B	Safety Glasses, Gloves	H	Splash Goggles, Gloves, Apron, Vapor Respirator
C	Safety Glasses, Gloves, Apron	I	Safety Glasses, Gloves, Dust & Vapor Respirator
D	Face Shield, Gloves, Apron	J	Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
E	Safety Glasses, Gloves, Dust Respirator	K	Air Line Hood & Mask, Gloves, Full Suit, Boots
F	Safety Glasses, Gloves, Apron, Dust Respirator	X	Ask your supervisor for guidance
NOTE: All PPE used and worn when handling any chemical product should be chemical resistant for the type of chemical component.			