

SINCE THE ORIGINAL 1959



Beer Clean™

Glass Cleaner / Low Suds Glass Cleaner / Mineral Solvent / Last Rinse Sanitizer

A complete system of compatible chemicals that delivers properly cleaned glass for a better operator image and better profits.

Features & Benefits

- Simple and easy to use
- A complete system of compatible chemicals designed for outstanding cleaning
- Provides thoroughly cleaned glassware with no odor, aftertaste, or residue
- Clean beer glasses deliver better-looking beer with bigger heads for higher profits












Use instructions

- Thoroughly clean the sinks with a small amount of glassware cleaner prior to glass washing. Also, use clean brushes that are not worn.
- Set up sinks in four easy steps:
 1. Fill first tank with hot or cold water almost to the top of the brushes. Add Beer Clean™ Mineral Solvent, if needed, based on local water-hardness conditions.
 2. Add Beer Clean™ Glass Cleaner to the first sink, accurately measuring proper amount required or by sprinkling a pre-measured packet over the brushes.
 3. Fill the second tank with clean, hot or cold, continuously flowing water. This tank is used to rinse off detergent from glassware used in the first sink.
 4. Fill third sink with three gallons (11.5 liters) of hot or cold water. Add ¼ oz. Beer Clean™ Last Rinse Sanitizer.
- Wash glasses in the first sink, making sure that all glass edges come in contact with the brushes. If a three-brush manual system is used, clean glasses on the center brush.
- Rinse glassware in the second sink by placing the bottom of the glass in the water first, at an angle. If immersed top first, an air pocket can form, preventing complete rinsing. Withdraw the glass at an angle, bottom first (“heel in, heel out” technique). If you only have a two-tank system, do not include a rinse sink.
- Submerge glassware in sanitizing rinse solution (third sink) by using the “heel in, heel out” technique. Allow to remain immersed for at least 2 minutes. Follow national food service sanitation guidelines and local health codes for sanitizing.
- Air dry sanitized glassware upside down on a deeply corrugated drain board to allow maximum air flow. Do not dry glasses with towel, since it can leave lint on the glass and transfer germs and odors. Do not store glasses on a towel, rubber drain pad or any smooth surface.

Technical data	Glass Cleaner-Manual Brush	Low Suds Glass Cleaner-Electric Brush	Mineral Solvent	Last Rinse Sanitizer
Certifications	Kosher	Kosher	NSF (Steam Table Use)	Kosher, EPA 70627-26
Color/Form	Opaque white, powder	Opaque white, powder	Opaque white, powder	Light yellow, powder
pH (Dilution)	9.45 @ 1:768	9.45 @ 1:768	8.6 @ 1:768	6.0 @ 1:1536
Scent	No fragrance added	No fragrance added	No fragrance added	Chlorine
Shelf Life	2 years	2 years	2 years	1 year (90223)/ 6 Months (90203)

Product	Pack size	Dilution	Product code	
Beer Clean™ Glass Cleaner	2 x 4 lb./1.81 kg Manual Brush Bulk Pack	1:768	990201	
Beer Clean™ Low Suds Glass Cleaner	2 x 4 lb./1.81 kg Electric Brush Bulk Pack	1:768	990241	
Beer Clean™ Glass Cleaner	100 x ½ oz./14 g Manual Brush	1:768	990221	
Beer Clean™ Low Suds Glass Cleaner	100 x ½ oz./14 g Electric Brush	1:768	990224	
Beer Clean™ Mineral Solvent	100 x ½ oz./14 g	1:768	990222	
Beer Clean™ Last Rinse Sanitizer	2 x 25 oz./.71 kg Bulk Pack	1:1536	90203	
Beer Clean™ Last Rinse Sanitizer	100 x ¼ oz./7 g	1:1536	90223	

Safe handling

Please make sure your employees read and understand the product label and Safety Data Sheet before using this product. The label contains directions for use; and both the label and SDS contain hazard warnings, precautionary statements and first aid procedures. SDS are available online at www.diversey.com or by calling 888.352.2249. Improper use or dilution may result in damage to surfaces and may result in health and physical hazards that match those of the concentrate.



Beer Clean Glass Cleaner

Revision: 2020-05-27

Version: 01.0

1. IDENTIFICATION

Product name: Beer Clean Glass Cleaner
Product Code: 990201, 990221
SDS #: MS0801120
Recommended use:

- Industrial/Institutional
- Glass Cleaner

Uses advised against: Uses other than those identified are not recommended

Manufacturer, importer, supplier:

US Headquarters Diversey, Inc. 1300 Altura Rd., Suite 125 Fort Mill, SC 29708 Phone: 1-888-352-2249 SDS Internet Address: https://sds.diversey.com	Canadian Headquarters Diversey Canada, Inc. 6150 Kennedy Road Unit 3 Mississauga, Ontario L5T 2J4 Phone: 1-800-668-7171
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Emergency telephone number: 1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3



Signal word:

Danger.

Hazard Statements

MAY CAUSE RESPIRATORY IRRITATION. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE.

Precautionary Statements

Causes burns/ serious damage to mouth, throat and stomach. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Take off contaminated clothing and wash it before reuse. Store in a well-ventilated place. Keep container tightly closed. Dispose of in accordance with all federal, state and local applicable regulations.

Health hazards not otherwise classified (HHNOC) - Not applicable

Physical hazards not otherwise classified (PHNOC) - Not applicable

Classification for the diluted product @ 1:768

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Beer Clean Glass Cleaner

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Hazard and Precautionary Statements

None required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

Ingredient(s)	CAS #	Weight %
Trisodium citrate	68-04-2	15 - 40%
Sodium sesquicarbonate	533-96-0	10 - 30%
Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts	68081-81-2	1 - 5%
Sodium carbonate	497-19-8	1 - 5%
Sodium hydroxide	1310-73-2	> 0.1 - < 1%

*Exact percentages are being withheld as trade secret information

4. FIRST AID MEASURES

Undiluted Product:

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

Skin: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed Not applicable.

Diluted Product:

Eyes: Rinse with plenty of water.

Skin: No specific first aid measures are required

Inhalation: No specific first aid measures are required

Ingestion: IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards: Corrosive material (See sections 8 and 10).

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).

Environmental precautions and clean-up methods: Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: FOR COMMERCIAL AND INDUSTRIAL USE ONLY. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use.

Storage: Keep tightly closed in a dry, cool and well-ventilated place.

Aerosol Level (if applicable): Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Ingredient(s)	CAS #	ACGIH	OSHA
Sodium hydroxide	1310-73-2	2 mg/m ³ (Ceiling)	2 mg/m ³ (TWA)

Undiluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to determine the necessity, selection, and use of personal protective equipment.

Eye protection:	Chemical-splash goggles.
Hand protection:	Chemical-resistant gloves.
Skin and body protection:	No personal protective equipment required under normal use conditions.
Respiratory protection:	No personal protective equipment required under normal use conditions.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

Diluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Eye protection:	No personal protective equipment required under normal use conditions.
Hand protection:	No personal protective equipment required under normal use conditions.
Skin and body protection:	No personal protective equipment required under normal use conditions.
Respiratory protection:	No personal protective equipment required under normal use conditions.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder	Color: Opaque White
Evaporation Rate: No information available	Odor: Product specific
Odor threshold: No information available.	Boiling point/range: Not determined
Melting point/range: Not determined	Decomposition temperature: Default (°F)
Autoignition temperature: No information available	Solubility: Completely Soluble
Solubility in other solvents: No information available	Relative Density (relative to water): 1.074
Density: 1.074 Kg/L	Vapor density: No information available
Bulk density: No information available	Vapor pressure: No information available.
Flash point (°F): > 200 °F > 93 °C	Partition coefficient (n-octanol/water): No information available
Viscosity: No information available	Elemental Phosphorus: 0.00 % by wt.
VOC: 0 % *	pH: Not applicable
Flammability (Solid or Gas): Not applicable	Sustained combustion: Not applicable
Explosion limits: - upper: Not determined - lower: Not determined	

Dilution pH:

≈ 9.5

Dilution Flash Point (°F): > 200 °F > 93.4 °C

VOC % by wt. at use dilution: 1e-007 %

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Reactivity:	Not Applicable
Stability:	The product is stable
Hazardous decomposition products:	None reasonably foreseeable.
Materials to avoid:	Do not mix with any other product or chemical unless specified in the use directions.
Conditions to avoid:	None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Skin contact, Inhalation, Ingestion, Eye contact

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.

Eye contact: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

Ingestion: Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

Sensitization: No known effects.

Target Organs (SE): No information available

Target Organs (RE): None known

Numerical measures of toxicity

ATE - Oral (mg/kg): 4400

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products (undiluted product): This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under 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. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Waste from residues / unused products (diluted product): This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under 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. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): Not Regulated

RCRA Hazard Class (diluted product): Not Regulated

Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT/TDGM/IMDG: The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your shipment.

DOT (Ground) Bill of Lading Description: NOT REGULATED

IMDG (Ocean) Bill of Lading Description: NOT REGULATED

15. REGULATORY INFORMATION

International Inventories at CAS# Level

TSCA

All components are listed or otherwise exempt

DSL

All components are listed or otherwise exempt

RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Trisodium citrate	68-04-2	-	-	-	-
Sodium sesquicarbonate	533-96-0	-	-	-	-
Sodium sulfate	7757-82-6	X	-	X	-
Water	7732-18-5	-	-	-	-
methyl glycine diacetic acid 3Na-salt	164462-16-2	-	-	-	-
Benzenesulfonic acid, mono-C10-16-alkyl derivatives, sodium salts	68081-81-2	-	-	-	-
Sodium carbonate	497-19-8	-	-	-	-
Sodium hydroxide	1310-73-2	X	X	X	X

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium hydroxide	1310-73-2	> 0.1 - < 1%	1000		

16. OTHER INFORMATION**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 3
 Flammability 0
 Instability 0
 Special Hazards -

Diluted Product:

Health 0
 Flammability 0
 Instability 0
 Special Hazards -

Revision: 2020-05-27

Version: 01.0

Reason for revision: Not applicable
 Prepared by: North American Regulatory Affairs
 Additional advice: • Does not contain an added fragrance

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