SAFETY DATA SHEET

Section 1: Product Identification

Product Name: GClean GC200 Surface Spray Sanitizer/Disinfectant Ready To Use (RTU)

Product Number: G200-Q (Qt.), G200-G (Gal), 200G-G5 (5 Gal), 200G-G55 (55 Gal), G200-WIPES

General Use: Spray sanitizer and disinfectant for hard surfaces.

EPA Registration No.: **6836-233-84429**
6836-346-84429

Emergency (24 hour): (856) 206-0058

Revision date: April 21, 2020

Section 2: Hazards Identification

***Emergency Overview (OSHA Hazards)*:** WARNING! Causes serious eye irritation.

Hazard Classification (categories in parentheses): Irritant (eyes: 2).

HMIS Rating:

Health	1
Flammability	0
Reactivity	0

Personal protection ration to be supplied by user depending on use conditions.

Hazard Statements:

H319 Causes serious eye irritation

Precautionary Statements:

P262 Do not get in eyes, on skin, or on clothing

P264 Wash face, hands and any exposed skin thoroughly after handling

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection

P301 + P311 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician. Rinse mouth.

P302 + P352 + P362 + P333 + P314 IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash before reuse If skin irritation or a rash occurs: Get medical advice/attention if you feel unwell.

P304 + P341 + P342 + P322 + P314 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Administer oxygen and get medical advice/attention if you feel unwell.

P305 + P351 + P322 + P338 + P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice/attention.

P501 Dispose of contents/ container to an approved waste disposal plant

NOTE—Information provided in this SDS represents characteristics and physical data of the concentrated material as supplied.

Section 3: Composition

Chemical Family: Blend of minimum risk ingredients

Ingredient	*Wt %*	*CAS Number*	*OSHA PEL*	*ACGIH TLV*	*NIOSH REL*	*NIOSH IDLH*
Benzalkonium Chloride Alkyl (C14 50%, C12 40%, C16 10%) Dimethyl benzyl ammonium chloride	0.1	8001-54-5	N/A	N/A	N/A	N/A
Octyl decyl dimethyl ammonium chloride	0.32	Compound	N/A	N/A	N/A	N/A
Dioctyl dimethyl ammonium chloride	0.24	Compound	N/A	N/A	N/A	N/A
Didecyl dimethyl ammonium	0.96	Compound	N/A	N/A	N/A	N/A
	0.14	Compound	N/A	N/A	N/A	N/A

Section 4: First Aid

Most important symptoms/effects: Eye irritant.

Inhalation: Remove individual to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Get medical advice/attention if you feel unwell.

Skin Contact: Remove contaminated clothing and foot wear. Wash thoroughly with soap and water and do not reuse clothing until properly cleaned. If a rash should develop, get medical advice/attention.

Eye Contact: Immediately flush eyes with plenty of cool, clean water for at least 15 minutes. Keep eyelids apart to maintain maximum contact with water. Do not allow the individual to rub their eyes. Get medical advice/attention.

Ingestion: If individual is conscious and able to swallow, quickly have the victim drink water to dilute. Do not give anything by mouth if individual is unconscious or is having convulsions. Contact a physician or poison control center for advice/attention.

Section 5: Fire and Explosion Data

Flash Point: > 200° F

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide. If a spill or leak has ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from a fire. Do not flush into a storm drain or public sewer.

Special Procedures: Use self-contained breathing apparatus (SCBA) and proper personal protection clothing.

Unusual Hazards: In a fire-fighting scenario involving multiple chemicals, vapors can be released that might contain oxides of carbon and firefighters should attack and contain fire and any fumes accordingly.

Section 6: Accidental Release Procedures

Personal precautions, protective equipment, and emergency procedures: Clear area of non-essential personnel. Use proper personal protective equipment (PPE).

Methods and materials for containment and cleaning up: Contain spill or leak and soak up as much material as possible. Put collected material into suitable containers for disposal. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Use appropriate containment to avoid runoff or release to sewer or waterways.

Recovered solids or liquids may be disposed of in a permitted waste management facility. Consult Federal, state or local disposal authorities for approved procedures. Any disposal must be in compliance with all relevant regulations.

Section 7: Handling and Storage

Precautions for safe handling: Eye wash and safety showers are recommended in the immediate work area. Check with your State OSHA to determine the maximum distance for stations to be placed in regards to possible chemical exposure.

Conditions for safe storage, including any incompatibilities: The material is safe to store at ambient temperatures of between 40° and 110° F. Keep containers closed when not in use to prevent losses and possible contamination.

Section 8: Employee Protection and Control Measures

NOTE—No exposure standard exists for the formulated product.

Appropriate engineering controls: Normal ventilation has been found to be generally adequate. The end user must determine if the process or methods involved with the use of this material requires any additional ventilation.

Individual protection measures, such as personal protective equipment:

***Eye Protection*:** Safety glasses with side shields or splash proof chemical goggles are recommended when working with concentrated product. If product is being sprayed or splashing is possible, splash proof chemical goggles or a splash shield in accordance with 29 CFR 1910.133 should be used. Appropriate eye protection should be worn instead of, or in conjunction with, contact lenses.

***Skin Protection*:** As is a good practice with all materials, chemical resistant gloves, including nitrile, can be worn when working with the product to avoid skin contact.

***Respiratory Protection*:** Not normally required. In situations where a risk of inhalation occurs, such as where product is being misted, a respirator or air delivery system in accordance with 29 CFR 1910.134 (OSHA), 42 CFR 84 (NIOSH), and any other applicable regulations may be recommended.

***Other*:** Not generally required under normal working conditions. The end user must determine if the process or methods involved required other personal protection clothing and/or equipment.

***Work/Hygienic Practices*:** Do not consume food, drink, or smoke in areas where chemicals are being stored or handled. After working with chemicals wash hands thoroughly before handling food or beverages. Segregate and launder contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

Appearance: Clear or Clear Amber
Odor: Mild
Odor threshold: Not tested
pH: 5.8-7.8 typical
Melting point/freezing point: N/A
Initial boiling point and range: 100°C
Flash Point: > 212° F
Evaporation Rate: Less than water
Flammability (solid, gas): Not applicable
Upper/lower flammability or explosive limits: Not tested
Vapor pressure: < 0.01 mm Hg estimated
Vapor Density: Heavier than air
Relative density: Specific Gravity (H_2O = 1): 1.038 calculated
Solubility (water): Dispersible
Partition coefficient: n-octanol/water: Not tested
Auto-ignition temperature: Not applicable
Decomposition temperature: Not applicable
Stability: Stable
Percent Volatiles: Not tested

Section 10: Stability and Reactivity

Reactivity: Product is stable as delivered
Chemical Stability: Stable
Possibility of hazardous reactions: Oxides of Carbon and Nitrogen.
Conditions to avoid (e.g., static discharge, shock, or vibration): Avoid Contact with heat.
Incompatible materials: None Known
Hazardous decomposition products: Oxides of carbon and Nitrogen
Polymerization: Will not occur

Section 11: Toxicological Information

Toxicity testing information as required by FDA Regulation:

Acute Oral LD_{50} (OPPTS 870.1100)	**>5,000 mg/kg**
Acute Dermal LD_{50} (OPPTS 870.1200)	**>2,000 mg/kg**
Inhalation LC_{50}	**No Data**
Acute Skin Irritation (OPPTS 870.2500)	**Mild skin irritant, PH 0.13; Toxicity Category IV**
Acute Eye Irritation (OPPTS 870.2400)	**Mild eye irritant, Toxicity Category III**
Sensitization (OPPTS 870.2600 Buehler protocol)	**Not a sensitizer**

The toxicity information provided below is for components of this material as required by Regulation ACUTE for Benzalkonium chloride:

Oral LD_{50} (rat):	**295 mg/kg**
Dermal LD_{50} (rabbit):	**3,000 mg/kg**
Eye Irritation (rabbit):	**Mild to moderate irritant (<1% active)**
Skin Irritant (rabbit-DOT Method)	**Corrosive**
Skin SensitizaTION (Guinea-Pig Magnusson-Kligman Maximization)	**Not a sensitizer**

Genotoxicity/Mutagenicity
For Benzalkonium chloride

Ames test (Salmonella sp.): Not mutagenic with or without metabolic activation

Section 12: Ecological Information

Contact your representative for assistance.

Section 13: Disposal Considerations

Waste Disposal: All disposals of this material must be done in accordance with Federal, state and local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator.

Section 14: Transportation Information

DOT Proper Shipping Name: Non hazardous
DOT/IMO Proper Shipping Name: Not regulated

Section 15: Regulatory Information

Toxic Substances Control Act (TSCA) Status: All ingredients in this product appear on either the public TSCA inventory or the confidential TSCA inventory.
EPCRA, Section 311: Health: Immediate Health (eye irritant).

Section 16: Other Information

Last Revision: April 21, 2020
Current Revision: April 21, 2020
Revision summary: Initial Document

End of SDS