

Section 1 - IdentificationProduct Name: **Synergy Four™ Disinfectant**

Revised: 12/2/16

A quaternary ammonium liquid detergent.

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Section 2 - Hazards Identification

Hazard categories: Acute Toxicity-Oral 4; Skin Corrosion/Irritation 2; Eye Corrosion/Irritation 2B.

Hazard statements: Harmful if swallowed, Causes skin burns and serious eye irritation.

Signal word: Warning (Note: EPA: requires DANGER on label and preempts OSHA.)

Pictogram: Exclamation

Precautionary statements

Prevention

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Wear protective gloves such as latex.

Response**IF SWALLOWED:** Call a POISON CENTER if you feel unwell. Rinse mouth.**IF ON SKIN (OR HAIR):** Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing wash it before reuse.**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER for medical advice.**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.Storage: None.Disposal: Dispose of contents in accordance with local, regional, national and international regulations.**Section 3 - Composition / Information on Ingredients**

Ingredient	C.A.S. No.	Concentration
Didecyl Dimethyl Ammonium Chloride	7173-51-5	2.31%
Dimethyl Benzyl Ammonium Chloride	8001-54-5	1.54%

The remaining ingredients are not reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

Section 4 - First Aid Measures**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.**Skin Contact:** Rinse exposed area with water. If irritation develops and persists, get medical attention.**Inhalation:** Move affected person to fresh air. If irritation persists get medical attention.**Ingestion:** If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, rinse mouth.. Call a POISON CENTER if you feel unwell.**Section 5 - Fire-Fighting Measures****Extinguishing Media:** Any**Special Fire Fighting Procedures:** None.**Unusual Fire And Explosion Hazards:** None.**Section 6 - Accidental Release Measures****Steps To Be Taken If Material Is Released Or Spilled:** Wipe or mop up small spills. Larger spills can be collected into clean pails or drums for later use or washed to a sanitary sewer with plenty of water.**Section 7 - Handling and Storage**

Store at temperatures between 40° and 100° F.

Section 8 - Exposure Controls / Personal Protection

None of the ingredients have known exposure limits or they are below OSHA reportable levels.

Ventilation: Normal room ventilation.

Respiratory Protection: None when used as directed.

Gloves: Use neoprene or latex rubber gloves when handling concentrate. With use-dilutions, persons with sensitive skin or who use the product for prolonged periods may wish to wear gloves. Disposable latex gloves may be used with the concentrate and use-dilutions. Always check disposable latex gloves for tears when putting them on. If disposable gloves tear during use, remove them, rinse hands thoroughly in running water, dry them and put on new gloves.

Eye Protection: If eye contact with concentrate is possible, wearing safety glasses with side shields, especially for contact lens wearers, is a good idea.

Other Protective Equipment: None.

Section 9 - Physical and Chemical Properties

Appearance and Odor: A blue liquid with a fresh linen odor.	
Odor Threshold: Not Available	Vapor Pressure: Not Available
pH: concentrate 7.0 ± 0.5	Vapor Density: Not Available
Melting Point: Not Available	Relative Density (Specific Gravity): 1.01
Freezing Point: Not Available	Solubility(ies): Water: 100%
Boiling Point, Initial: 212° F.	Partition coefficient: Not Available
Boiling Range: Not Available	Auto-ignition Temperature: Not Available
Flash Point: None. (ASTM D-56 closed cup)	Decomposition Temperature: Not Available
Evaporation Rate: ~1 (Water = 1)	Viscosity: Same as water.-
Flammability: (solid, gas): Not Applicable	Volatiles Percent: 95%
Upper Explosive Limit: None	V.O.C.: 0% - 0 grams/liter
Lower Explosive Limit: None	

Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Primary Routes of Entry: Skin contact; Skin absorption; Inhalation; Ingestion

Potential Health Effects:

Eyes – concentrate causes severe irritation to the eyes. Use-dilutions may cause irritation, redness, tearing.

Skin - may cause irritation on persons with sensitive skin.

Swallowing - concentrate causes irritation or may cause damage to mucous membranes. Use-dilutions cause nausea and diarrhea because intestinal bacteria are killed. Minimal toxicity.

Breathing - none when used as directed.

Section 12 - Ecological Information

Do not dispose of pesticide products or rinse water the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Wash to a sanitary sewer with a large amount of water. This product will reduce the bacteria count in septic systems depending on the amount put down the drain. It is a good idea to add bacteria to your system on a regular basis or after a product spill is washed down the drain. A product like Damon's Liquid Bacogen works well.

Section 14 - Transport Information

D.O.T. Hazard Class:

Larger sizes: Disinfectants, Liquid, Corrosive N.O.S., 8, UN1903,
P.G. III (Contains Quaternary Ammonium Chloride)

Gallons & smaller: ORM-D

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA: H:1 F:0 I:0 **HMIS® III:** H:2 F:0 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 8/18/16. Updated Section 2 and 4 information.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.