Safety Data Sheet

(pursuant to 29 CFR §1910.1200(g) and Appendix D)

Section 1: Product Identification

Product Name: No Rinse Cleaner & Food Contact Sanitizer **RTU:** Cleaning and Sanitizing Food Contact Surfaces. ORM-D Packaging. Not regulated by DOT

ECS Envirokleen

www.ecsenvirokleen.com

Daytime Telephone: (317)352-1941 **Emergency Telephone Info Trac (24 hour):** (800) 535-5053

Section 2: Hazard Identification



Hazard Class: Quaternary Mixture **Signal Word:** Danger

Hazard Category(ies): Eye Damage/Irritation – Category 1; Skin ɔn/Irritation – Category 1A

Acute Toxicity – Oral – Category 4 **Hazard Statement(s):** May cause serious eye damage; May cause skin burns/irritation and eye damage; Harmful if swallowed

Precautionary Statements:

Prevention: Do not get concentrate in eyes or on clothing. Do not breathe dust or mists. Wear chemical splash goggles when cleaning over-head surfaces. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse. Do not eat, drink or smoke when using this product. If inhalable particles of dusts or mists may occur during use, wear NIOSH approved respiratory protection. Mix ONLY with water.

Response: In case of emergency, call a Poison Control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control center or doctor, or going for treatment. **If swallowed**: Rinse out mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless told to do so by a Poison Control center or doctor. Do not give anything by mouth to an unconscious person. Immediately call a Poison Control Center or doctor for treatment advice. **If in eyes:** Hold eyelid open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present and easy to do, after the first 5 minutes, then continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice. **If on skin (or hair)**: Take off immediately all contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Wash contaminated clothing before reuse. Call a Poison Control Center or doctor if irritation persists. **If inhaled**: Remove person to fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a Poison Control Center or doctor for treatment advice.

Storage: Store locked up **Disposal:** See Section 13 for disposal information **Hazards Not Otherwise Classified:** None identified

Section 3: Composition/Information on Ingredients

Product Type: Mixture

Hazardous Ingredient Name (common name(s))	CAS Number	Concentration Range (%)
Quaternary Ammonium Chlorides	[redacted]	
Phosphoric Acid	7664-38-2	

Section 4: First-Aid Measures (consult product label for EPA prescribed First Aid measures)

If swallowed: Rinse out mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless told to do so by a Poison Control center or doctor. Do not give anything by mouth to an unconscious person. Immediately call a Poison Control Center or doctor for treatment advice. **If in eyes:** Hold eyelid open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present and easy to do, after the first 5 minutes, then continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice. **If on skin (or hair)**: Take off immediately all contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Wash contaminated clothing before reuse. Call a Poison Control Center or doctor if irritation persists. **If inhaled**: Remove person to fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Immediately call a Poison Control Center or doctor for treatment advice.

Symptoms of Exposure: See Section 11 for additional information.

Indication of Immediate Medical Attention and Special Treatment Needed: Treat exposure symptomatically. In all cases of eye contact, ingestion, or inhalation, contact a doctor or Poison Control Center immediately.

Section 5: Fire-Fighting Measures

Suitable Fire Extinguishing Media: Use water spray, fog or foam. **Specific Hazards:** None known

Decomposition Byproducts: Carbon dioxide, carbon monoxide and/or metal oxides.

Special Protective Equipment: Self-contained breathing apparatus.

Specific Precautions: Remove all persons from the vicinity. No responsive action should be taken without proper training.

Section 6: Accidental Release Measures

Personal Precautions: Initiate spill containment procedures immediately using containment or absorbtion methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).
Spill Cleanup: Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Section 7: Handling and Storage (consult product label for EPA prescribed Storage and Disposal information)

Handling Precautions: See Precautionary Statements in Section 2, above. Avoid contact with eyes, skin or clothing. Avoid inhalation of dust or mists. Use in a well ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
Storage Precautions: Store in original container only in a locked location inaccessible to small children or persons unfamiliar with its proper use. Keep container closed when not in use. Store in a well ventilated area between 60-100°F (15- 38°C).

Section 8: Exposure Controls/Personal Protection

Hazardous Ingredient Name (common name)	OSHA PEL	ACGIH TLV
Quaternary Ammonium Chlorides	No data available	1000 ppm (TWA)(for ethanol)
Phosphoric Acid	1 mg/m^3 (8 hour TWA)	1 mg/m^3 (ceiling)

Engineering Controls: Use with adequate ventilation to maintain exposure limits below listed thresholds.
Personal Protective Equipment: The following protective equipment is recommended during usage: **Eye protection:** Wear chemical splash goggles or face shield when using this product. **Skin protection:** Wear protective rubber gloves, a long sleeve shirt and, if necessary, a rubber apron to prevent contact. **Respiratory protection:** Wear a NIOSH respirator approved for corrosive dusts or mists. .
Hygienic Measures: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse. Do not eat, drink or smoke when using this product.

Section 9: Physical and Chemical Properties

Physical State: Colorless Liquid **Odor:** Characteristic **pH (1% solution):** <2.0 **Melt Point:** NA **Freeze Point:** NA
Boiling Point: NA **Flash Point:** Non-Combustible **Evaporation Rate (H_2O = 1.0):** <1.0 **Flammability:** NA
Explosion Limits: NA **Vapor Pressure:** NA **Vapor Density (Air =1.0):** >1.0 **Relative Density:** >1.0
Solubility (in 120°F Water): 100% **Viscosity (H_2O =1.0):** >1.0 **Partition coefficient: n-octanol/water:** No data available
Auto Ignition Temperature: No data available **Decomposition Temperature:** No data available

Section 10: Stability and Reactivity

Stability: Product is stable under normal storage and usage conditions.
Reactivity: Product is highly reactive with alkalis. Reactions may produce hazardous conditions, including violent splattering of corrosive materials. Product is reactive with halogens (such as chlorine) and may release chlorine gas if mixed with these materials. Keep away from heat and strong oxidizing agents NEVER mix this product with other chemicals. Mix this product ONLY with water.. **Incompatibilities:** Alkalis, halogens, strong oxidizing agents.
Hazardous Decomposition Byproducts: None are expected under normal storage and usage conditions.

Section 11: Toxicological Information

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation

Symptoms: Eye contact: Irritation, pain, redness, watering. **Skin contact:** Irritation, pain, redness, blistering. **Inhalation:** Coughing, choking, respiratory tract irritation, breathing difficulty. **Ingestion:** Pain in mouth, throat, stomach.
Acute Effects of Exposure: Serious burns to eyes, skin, mouth, throat, stomach and respiratory tract.
Toxicity Data: Quaternary Ammonium Chlorides: Oral (LD50) 405 mg/kg (rat)
Phosphoric Acid: Oral (LD50) 1,530 mg/kg (rat)
Chronic Effects of Exposure: No known significant effects or critical hazards. **Carcinogen Listing Source:** NA

Section 12: Ecological Information

Ecotoxicity: No specific data available for this mixture. Quaternary Ammonium Chlorides and Phosphoric Acid are known to be toxic to aquatic life. **Persistence and Degradability:** No data
Bioaccumulative Potential: No data **Mobility in Soil:** No data
Other Adverse Effects: No known significant effects or critical hazards.

Section 13: Disposal Considerations (consult product label for EPA prescribed Storage and Disposal information)

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

Section 14: Transport Information

DOT Proper Shipping Name: NA 1760, Compounds, Cleaning Liquid, 8, PG III (Contains Phosphoric Acid)
Note: Certain package sizes of this product may qualify for exceptions to DOT's packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

Section 15: Regulatory Information

Regulation	Listing
TSCA §8(b) Inventory	All Ingredients Listed
SARA Title III §301-303 Extremely Hazardous Substances	None
SARA Title III §304 Reportable Quantity (RQ) Release Notification Chemicals	Phosphoric Acid
SARA Title III §311-312 Right-To-Know Hazardous Chemicals	Quaternary Ammonium Chlorides, Phosphoric Acid
SARA Title III §311-312 Right-To-Know Extremely Hazardous Substances	**None**
SARA Title III §313 Form R Reportable Chemicals	**None**

Section 16: Other Information

Date of Last Revision: May 1, 2015
The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution. Dilution of concentrates mitigates thresh hold limit. Information in this document is also expressed in its most conservative estimation. Packaging of concentrate is done with protective inserts reducing the possibility spills/unnecessary exposure.