

MSDS: Complete Café™ Equipment Sanitizer (an Urnex® Brand product)
This MSDS was prepared in accordance with 29 CFR 1910.1200 and ANSI standard Z400.1-2004

1. Product and Company Identification

Product Name:	Complete Café™ Equipment Sanitizer (an Urnex® Brand product)
General Use:	For sanitizing milk storage and handling systems, coffee urns, coffee pots, hot water dispensers, tea dispensers and coffee pots, coffee shops, Slurrry® machines, ice machines.
Product Description:	Light green liquid
Manufacturer:	Urnex Brands, Inc. 170 Ludlow Street, Yonkers, NY 10705 USA Tel. 914-963-2042
	Urnex Brands, Inc. 29 Harley Street, London, W1G 9QR, UK Tel. +44 020 7927 6881
Emergency Contact:	800-424-9300 (USA), 001-703-527-3887 (INTERNATIONAL COLLECT ACCEPTED)
EPA No.:	10324-67-70258
Product Class:	Quaternary Ammonium Compound
Date Prepared:	August 11, 2008

2. Hazards Identification

This product is classified as an irritant.

Emergency Overview:	Greenish liquid. Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.
Skin:	Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. May be fatal if absorbed through the skin.
Eyes:	Causes burns and may result in permanent injury to eyes including blindness.
Inhalation:	Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. May be fatal if inhaled.
Ingestion:	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea and possibly death.
Chronic:	Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

3. Composition/Information on Ingredients

Material	CAS#	Wt. %
Alkyl dimethyl benzyl ammonium chloride (C ₁₂₋₁₆)	68424-85-1	4 – 5
Octyl decyl dimethyl ammonium chloride	32426-11-2	3 – 4
Dioctyl dimethyl ammonium chloride	5538-94-3	1 – 2
Didecyl dimethyl ammonium chloride	7173-51-5	1 – 2

4. First Aid Measures

Eyes:	Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.
Skin or Clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation:	If symptoms are experienced, move victim to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. 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.
Note to Physician:	Probable mucosal damage may contraindicate the use of gastric lavage.

5. Fire Fighting Measures

Flash Point:	>200°F (>93.3°C) – Cleveland Open Cup
Upper & Lower Flame Limits	Not determined
Extinguishing Media:	Dry chemical, foam, carbon dioxide or water fog or water (if appropriate for surrounding fire).
Fire Fighting Equipment & Instructions:	Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.
Hazardous Combustion Products:	Irritating and toxic gases or fumes may be released during a fire.

6. Accidental Release Measures

Emergency Action:	Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).
Spill Cleanup:	Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.
Large Spills:	Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.

7. Handling and Storage

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Handling Procedures:	Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.
Storage Procedures:	Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

8. Exposure Controls / Personal Protection

Engineering Controls:	Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.
Eyes/Face:	Wear chemical goggles. Use a face shield if splashing is possible.
Skin:	Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.
Respiratory:	If exposure limits are exceeded or if irritation is experienced, an organic-vapor removing cartridge with a prefilter respiratory (MSHA/NIOSH approved) protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.
General:	Eye wash fountain and emergency showers are recommended.

The following ingredients have established exposure guidelines:

Ingredient	Exposure Guideline	Guideline Value
Ethanol	ACGIH TLV (2005), OSHA PEL & NIOSH REL	1000 ppm (TWA)
64-17-5	Alberta, British Columbia, Manitoba, New Brunswick, Northwest Territories, (Canada)	1000 ppm (TWA)
	Ontario, Quebec (Canada)	1000 ppm (TWAEV)
	Saskatchewan (Canada)	1000 ppm (TWA), 1250 ppm (STEL)
	Yukon (Canada)	1000 ppm (TWA), 1000 ppm (STEL)
	Mexico	1000 ppm (TWA)

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period. NIOSH REL TWAs are for a 10-hour period.

9. Physical and Chemical Properties

Flash Point:	>200°F (>93.3°C) – Cleveland Open Cup
Specific Gravity:	1.173 (~9.8 lbs/gal)
Percent Volatiles:	~57% (weight %)
Vapor Pressure:	Not determined.
VOC Content	~2%
Vapor Density:	Not determined.
Viscosity:	9.744 mm ² /s @22°C
Evaporation Rate:	Not determined.
Pour Point:	Not determined.
pH :	0.03
Appearance and Odor:	Clear, colorless to straw colored liquid with benzaldehyde (organic) and acrid odor.

10. Reactivity and Stability

Chemical Stability:	Material is stable.
Conditions to Avoid:	Keep away from heat and strong oxidizing agents.
Incompatibilities:	Strong oxidizing agents, reducing agents
Hazardous Decomposition:	Carbon monoxide, carbon dioxide, oxide of phosphorous and toxic hydrogen chloride vapors.
Hazardous Polymerization:	Will not occur.

11. Toxicological Information

Carcinogenicity	No Carcinogenicity data available for this product.
Acute Oral LD50	1300 mg/kg in rats
Acute Dermal	>2000 mg/kg rabbits
Primary Skin	Corrosive
Primary Eye	Corrosive

Chemicals Ingredients Listed as Potential or Known Carcinogens OSHA, NTP, IARC
 No Ingredients Listed in this section.

12. Ecological Information

Ecotoxicity No data available for this product but considered toxic to fish.

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13. Disposal Considerations

This substance, when discarded or disposed of, is a characteristic hazardous waste according to Federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

14. Transport Information

Proper Name:	Not regulated - Complete Café™ Equipment Sanitizer
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15. Regulatory Information

TSCA Status

While all ingredients are listed on the TSCA Chemical Inventory, this product is regulated as a pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and not subject to the TSCA Inventory rules for FIFRA uses.

Other Chemical Inventories

All components of this product are listed on the following inventories: Canada (DSL), China, and Philippines. One or more ingredients are not listed on the following inventories: Australia, European Union, Korea and Japan.

CERCL/SARA

SARA Title III, Sections 311/312 – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370:

Classification of this product: Immediate

SARA Title 313 – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded: No ingredients listed in this section.

Reportable Quantities/Threshold Planning Quantities: CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs). SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

State & Provincial Right to Know & Selected Regulatory Lists (not all state lists are represented)

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

Chemical Name	State List	
Ethanol	AZ, CA, CAP65R (ingestion only), CT, ID, MA, MN, NJ, PA, RI	
Benzyl Chloride (trace impurity < 10ppm)	AZ, CA, CAR65C, IL, MA, MN, NJ, PA	
Acid (Phosphoric)	AZ, CA, CT, ID, MA, MN, NJ, PA, RI	
AZ – Arizona Ambient Air Quality Guidelines CA – California Director's List of Hazardous Substances CA65C – California Prop 65 Carcinogen CA65R – California Prop 65 Reproductive Toxin CT – Connecticut Hazardous Air Pollutants ID – Idaho Non-carcinogen Toxic Air Pollutants	IL – Illinois Toxic Air Contaminant - Carcinogenic MA – Massachusetts Right to Know List MN – Minnesota Hazardous Substances List NJ – New Jersey Right to Know List PA – Pennsylvania Right to Know List RI – Rhode Island Hazardous Substances List	
WHMIS Classification:	D2B, E. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.	
Hazard Ratings	HMIS (III)	NFPA
	Health – 3	Health – 3
	Flammability – 1	Flammability – 1
	Physical Hazard – 0	Instability – 0
	PPE – X	

16. Other Information

This product is for sale and use by professional personal only.

Keep out of reach of children. It is a violation of federal law to use this product in a manner inconsistent with its label.

NOTE: The information in this MSDS is obtained from sources which are believed to be reliable. However, the accuracy or completeness thereof is not guaranteed. This information is furnished without warranty, expressed or implied. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, Urnex Brands, Inc. assumes no liability for the loss and damage incurred from the proper or improper use of this product.