

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT SOURCE AND IDENTITY

Supplier identity and address	Product description:	Date: Oct. 15, 2004
Envirosafe, Inc 78-6710 Donkey Mill Rd. Holualoa, Hawaii 96725	Name: Envirosafe One Step Germicidal (10-1) Purpose: Disinfecting all hard surfaces. Proprietary Formula	Code: ES OSG
Fax number: 808-322-7822	Product information:	808-960-2650

SECTION 2 - SHIPPING CLASSIFICATION

Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, Emergency Response Guide Number	
Not Regulated	
Labels required per 49 CFR 172.101:	None
Qualifies for "Limited quantity" per 49 CFR 173.150-.155:	Not applicable
Reportable Quantity ("RQ") per 49 CFR 172.101:	None or not possible in one non-bulk package

SECTION 3- SAFETY RATINGS AND HAZARDOUS INGREDIENT INFORMATION

Reporting required by Title III Sec 313, 40CFR 372, 29CFR 1910.1200		Exposure Limit Values	
CAS#	313	Material or Component	% RQ# TWA STEL
8001-54-5	No	N-Alkyl (C14 50%, C12 40%, C16 10%)	
		Dimethyl Benzyl Ammonium Chloride	1-2 None Not established
7173-51-5	No	Didecyl Dimethyl Ammonium Chloride	1-2 None Not established

Product also contains non regulated detergents which may contribute to eye and skin irritation.

No component is listed in "THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES FOR 2004" from ACGIH except as noted above. Components listed in TITLE III SEC 313 (EPCRA) are indicated by "Yes" above.

California criteria: Constituents qualifying as hazardous materials, substances or waste, other than above, if any, have been neutralized or denatured to a non hazardous condition. Regulations referenced: California Health & Safety Code Ch 6.95 Sec 25501(k) & (l), CCR Title 22, Sec 66261.21- .24, and Appendix X of 22 CCR Chapter 11, Article 4.

Emergency overview: Concentrated neutral quaternary sanitizing cleaner. Keep out of eyes and off of skin. Can damage eyes. Use standard industrial and consumer good practices.

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	Yes	No	No	No	OSHA 29 CFR 1910.1200 and
Delayed	No	XXX	XXX	XXX	SARA 302/311/312/313.

HMIS Hazard ratings: Health 1 Fire 0 Instability 0 Other B (Goggles or glasses, gloves)

NFPA 704 Hazard Ratings: Health 1 Flammability 0 Reactivity 0 Special NA

Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4

Threshold limit value: Not established on product.

TOSCA Status: All ingredients listed CERCLA RQ: See Sec 2.

California Prop. 65: None Ingredients on cancer lists: None

Reproductive implications: None

SECTION 4 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear , colorless liquid	Flash point deg. F (cc):	None
Odor:	Nil	Initial boiling point deg. C:	NA
Specific gravity:	Approx. 1	Vapor pressure 20 deg C:	NA
pH reaction:	7-9	Freezing point deg. C:	NA
% phosphorous:	None	Solubility in water:	100%
VOC Content:	None		
California Rule 102 (66):	Contains no photo chemically active materials.		

SECTION 5 - SAFE HANDLING AND STORAGE

General	Neutral quaternary disinfectant cleaner. Keep out of eyes and off of skin.
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Product can cause corneal opacity if not removed from eye promptly.

Protective equipment	
Eyes	Safety glasses or goggles should be worn if there is possibility of eye contact.
Skin	Impermeable gloves such as rubber, PVC or neoprene are recommended.
Respiratory protection	None normally required. If risk of inhalation occurs, select and use equipment according to OSHA/NIOSH guidelines for nuisance mists.
Ventilation	Not usually required.
Other	None

SECTION 6- HEALTH SAFETY DATA

Effects of acute or chronic over exposure	
Eyes	Corrosive to eyes. No chronic effects known.
Skin	Can cause irritation from repeated exposure.
Inhalation	Mists may be irritating to breathing passages.
Ingestion	Not a likely source of chronic exposure. Toxic to fish.

SECTION 7 - PHYSICAL STABILITY AND REACTIVITY DATA

Explosive limits		Flash point:	See Sec 4
Upper	None	Lower	None
Conditions to avoid:		None known	
Chemical stability	Stable	Hazardous decomposition products:	
		Oxides of carbon and nitrogen if burned.	
Hazardous polymerization		Incompatibility:	
	Cannot occur	None known	

SECTION 8- EMERGENCY RESPONSE PROCEDURES

Fire	Extinguishing media	Use equipment appropriate to the main cause of the fire.
	Special procedures	None
	Unusual hazards	Amines and oxides of nitrogen formed in a fire.
First Aid	Eyes	Flush with water for at least 15 min. Seek medical attention. See Sec. 6.
	Skin	Wash exposed skin with soap and water until gone. Remove affected clothes rinse off product and wash clothes before reuse.
	Inhalation	If affected, remove individual to fresh air, get medical attention at once if there is any discomfort.
	Ingestion	Dilute by giving large amounts of milk or water. Get medical attention immediately. Do not induce vomiting.
Spills	Small / large spill	Small amounts may be flushed to drain. Comply with federal, state and local regulations on reporting spills. Keep out of waterways and storm sewers.

Product as made does not qualify as an "Unlisted Hazardous Waste" for disposal situations.

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