

**Erado-Sol & E-Sol Foamy, Fragrance & Dye**

Revision: 12/31/2017

Free

Supersedes Revision: 12/08/2015

1. Product and Company Identification

Product Code: 307 VARIOUS

Product Name: Erado-Sol & E-Sol Foamy, Fragrance & Dye Free

Company Name: Cambridge Diagnostic Products, Inc. **Phone Number:**
6880 NW 17th Avenue 011 (954)971-4040
Fort Lauderdale, FL 33309

Web site address: www.ecamco.com

Email address: techinfo@ecamco.com

Emergency Contact: INFOTRAC USA & Canada #107913 1 (800)535-5053
International #107913 1 (352)323-3500

Information: Collect calls accepted

Intended Use: NON INDUSTRIAL USE - Typically sold in small quantity for laboratory use, 1 gallon or less.

2. Hazards Identification**Serious Eye Damage/Eye Irritation, Category 2B**

GHS Signal Word: **Warning**

GHS Hazard Phrases: H320 - Causes eye irritation.
H302 - Harmful if swallowed.

GHS Precaution Phrases: P262 - Do not get in eyes.

GHS Response Phrases: P301 - IF SWALLOWED: Get immediate medical attention. Physician may induce vomiting, if necessary. May cause dizziness, diarrhea, strong cramps and may damage the esophagus and stomach.
P315 - Get immediate medical advice/attention. (upon accidental ingestion)
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases: P404 - Store in a closed container.

Potential Health Effects (Acute and Chronic): Hazards not otherwise classified (HNOC) or not covered by GHS. Repeated or prolonged exposure may cause allergic reactions in sensitive individuals.
Prolonged or repeated skin contact may cause dermatitis.

Inhalation: No hazard expected when used as directed.

Skin Contact: Non-irritating to the skin.

Eye Contact: May cause severe eye irritation and possible injury.

Ingestion: No hazard expected when used as directed.
May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
64-17-5	Ethyl alcohol {Ethanol; R-E170, HE-170}	6.0 -7.0 %	KQ6300000



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4. First Aid Measures**Emergency and First Aid****Procedures:**

- In Case of Inhalation:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
- In Case of Skin Contact:** Not expected to present a skin irritation. For dry skin condition, use a high quality emollient cream. Discontinue use if signs of irritation or rash appear.
- In Case of Eye Contact:** Gently lift eyelids and flush continuously with water. 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 advice/attention.
- In Case of Ingestion:** Get immediate medical advice/attention. (upon accidental ingestion) IF SWALLOWED: Get immediate medical attention. Physician may induce vomiting, if necessary. May cause dizziness, diarrhea, strong cramps and may damage the esophagus and stomach.
- Note to Physician:** Treat symptomatically and supportively.

5. Fire Fighting Measures

- Flash Pt:** > 93.00 C (199.4 F) Method Used: Closed Cup
- Explosive Limits:** LEL: N.A. UEL: N.A.
- Autoignition Pt:** NP
- Suitable Extinguishing Media:** Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.
- Flammable Properties and Hazards:** No data available.
- No data available.

6. Accidental Release Measures

- Protective Precautions, Protective Equipment and Emergency Procedures:** Is not required.
- Environmental Precautions:** Product: No procedure necessary. Rinse with water and dispose.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Spills/Leaks: Clean area with water and dispose of paper towels or wash towels when done. Forms smooth, slippery surfaces on floors, posing an accident risk.

7. Handling and Storage

- Precautions To Be Taken in Handling:** No special handling procedures are required. Do not get in eyes.
- Precautions To Be Taken in Storing:** Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not mix with any chemicals other than water. DO NOT MIX WITH HOUSEHOLD BLEACH (SODIUM HYPOCHLORITE).
- Other Precautions:** Recommended storage temperatures: 10-32°C/50-90°F.

8. Exposure Controls/Personal Protection



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CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64-17-5	Ethyl alcohol {Ethanol; R-E170, HE-170}	PEL: 1000 ppm	TLV: 1000 ppm	No data.

Respiratory Equipment (Specify Type):	Respirator protection is not normally required.
Eye Protection:	Eye protection is not normally required.
Protective Gloves:	Protective gloves not required.
Other Protective Clothing:	Protective garments not normally required.
Engineering Controls (Ventilation etc.):	There are no special ventilation requirements.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good hygiene and safety practice.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Colorless. Slightly. Alcohol-like.
pH:	7 - 8
Freezing Point:	~ -4.00 C (24.8 F)
Boiling Point:	~ 85.00 C (185.0 F) - 88.00 C (190.4 F)
Flash Pt:	> 93.00 C (199.4 F) Method Used: Closed Cup
Evaporation Rate:	No data.
Flammability (solid, gas):	None.
Explosive Limits:	LEL: N.A. UEL: N.A.
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NP
Specific Gravity (Water = 1):	1.01 - 1.1
Density:	NP
Solubility in Water:	Completely
Solubility Notes:	Completely miscible in water in any proportion.
Percent Volatile:	No data.
Autoignition Pt:	NP
Decomposition Temperature:	NA

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	None.
Incompatibility - Materials To Avoid:	DO NOT MIX WITH HOUSEHOLD BLEACH (SODIUM HYPOCHLORITE). Do not mix with any chemicals other than water.
Hazardous Decomposition or Byproducts:	None.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.



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11. Toxicological Information

Toxicological Information: Epidemiology: No Information available. No data available.
 Teratogenicity: No data available.

Irritation or Corrosion: Serious eye damage/eye irritation:

Sensitization: No data available.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: Surfactant(s) used in Erado-Sol /E-Sol Foamy are Readily Biodegradable.

Persistence and Degradability: Surfactant(s) used in Erado-Sol /E-Sol Foamy are Readily Biodegradable.

Bioaccumulative Potential: None.

13. Disposal Considerations

Waste Disposal Method: Product: No procedure necessary. Rinse with water and dispose.

14. Transport Information

GHS Classification: Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material. Ethanol. Not Regulated.

DOT Hazard Class:

UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64-17-5	Ethyl alcohol {Ethanol; R-E170, HE-170}	No	No	No

This material meets the EPA [] Yes [X] No Acute (immediate) Health Hazard

'Hazard Categories' defined [] Yes [X] No Chronic (delayed) Health Hazard

for SARA Title III Sections [] Yes [X] No Fire Hazard

311/312 as indicated: [] Yes [X] No Sudden Release of Pressure Hazard

[] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64-17-5	Ethyl alcohol {Ethanol; R-E170, HE-170}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0844; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No



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16. Other Information

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Additional Information About This Product: No data available.

This Product:

Company Policy or

Disclaimer:

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