

SAFETY DATA SHEET

Erado-Sol & E-Sol Foamy

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Revision: 12/08/2015
Supersedes Revision: 10/21/2015

1. Product and Company Identification

Product Code: 207 VARIOUS
Product Name: Erado-Sol
Company Name: Bacto Laboratories Pty Limited
310-312 Elizabeth Drive,
Mt Pritchard, NSW, 2170
Phone Number: 02 9823 9000

Web site address: www.bacto.com.au
Email address: info@bacto.com.au
Emergency Contact: Bacto Laboratories Pty Limited
310-312 Elizabeth Drive,
Mt Pritchard, NSW, 2170
Information: 02 9823 9000

Intended Use: NON INDUSTRIAL USE - Typically sold in small quantity for laboratory use, 1L 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

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:	Pink. Slight odor.
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

16. Other Information

Revision Date: 12/08/2015

Additional Information About This Product: No data available.

This Product:

Company Policy or

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