



SAFETY DATA SHEET

1. Identification of the Substance and Company

eSENTIALS CONCENTRATES™ Neutral Detergent

Product No. 1C58

SDS No. 1C58

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STERIS Corporation, P. O. Box 147, St. Louis, MO 63166, US
Emergency Telephone No. 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)
Telephone Number for Information: 1-800-444-9009 (Customer Service-Scientific Products)

2. Hazards Identification: May cause mild eye and skin irritation.

3. Composition/Information on Ingredients

Hazardous Component(s)	% By Wt.	CAS No.	Oral LD ₅₀	LC ₅₀
Octyl Betaine	1 - 5	27593-14-2	>5 mL/kg (rat)	ND

4. First Aid Measures

Eye Contact: Flush eyes immediately with water for at least 15 minutes. Get medical attention.

Skin Contact: Flush skin immediately with water for at least 15 minutes. Get medical attention.

Inhalation: Remove patient to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious, drink a large quantity of milk or water.

5. Fire-Fighting Measures

Conditions of Flammability/Flash Point/Auto-ignition Temperature: Non Flammable

Upper Flammable Limit: NA

Lower Flammable Limit: NA

Special Hazards: None known.

Explosibility Data: ND

Extinguishing Media: Use media appropriate for the primary source of fire.

Special Fire Fighting Procedures: Use caution when fighting any fire involving chemicals. A self-contained breathing apparatus is recommended.

Hazard Combustion Products: CO_x

6. Accidental Release Measures: Ensure suitable personal protection during removal of spillages. Spills may be picked up with a mop and followed by a water rinse. Small spills may be flushed to a sanitary sewer with copious amounts of water if in accordance with National and local regulations.

7. Handling and Storage

7.1 Handling: Read label before use. Wash hands and exposed skin thoroughly after use.

7.2 Storage: Keep container closed when not in use. Keep out of reach of children. Store in a cool place below 90°F (32°C). Thoroughly rinse empty container and deposit in waste receptacle for removal.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits

No chemical is present which requires statutory control.

8.2 Personal Protection

Respirator Protection: Not required for normal use.

Eye Protection: Safety glasses.

Protective Gloves: Rubber.

Other Protective Clothing and Equipment: Clothes sufficient to avoid contact.

Engineering Controls/Ventilation: Normal.

9. Physical and Chemical Properties

Solubility in Water: Complete **Specific Gravity:** Typical 1.039

Physical State/Appearance/Odor: Clear, colorless liquid **pH (neat):** 6.0 – 8.0

Odor Threshold, Vapor Pressure, Vapor Density, Evaporation Rate, boiling Point and Freezing Point:

Not Available **Coefficient of Water/Oil Distribution:** Not Applicable

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatible Materials: Strong oxidizers.

Conditions to Avoid/Conditions of Reactivity: Heat and light.

Hazardous Decomposition or Byproducts: CO and CO₂ in fire situations.

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes (Irritancy): This product may be mildly irritating to the eyes.

Skin (Irritancy or Sensitization): This product may be mildly irritating to the skin. Not a skin sensitizer.

Estimated acute dermal toxicity calculated to be > 5000 mg/kg (rat).

Inhalation: Not considered to be irritating to the respiratory tract.

Ingestion: May cause irritation to the gastrointestinal tract. Estimated acute oral toxicity calculated to be > 5000 mg/kg (rat).

11.2 Long Term Exposure: None known.

Carcinogenicity: IARC, NTP and OSHA do not list this product or its ingredients as carcinogens.

Reproductive Toxicity/Teratogenicity/Mutagenicity/Toxicologically Synergistic Products: ND

12. Ecological Information: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

13. Disposal Considerations: Disposal of unwanted product should be done in accordance with local, state or national regulation. Empty containers should be rinsed and discarded in a waste container or offered for recycling if possible. Empty containers should not be used for other purposes.

14. Transport Information

Ground: Non-hazardous

Sea: IMDG Class: Non-hazardous

Air: ICAO/IATA Class: Non-hazardous

15. Regulatory Information

USA State Regulations: All of the components of the product are on the TSCA inventory or are exempt from TSCA inventory requirements

May contain trace amounts of chemicals found on the California Prop. 65 list.

WHMIS Classification: D2 – Materials Causing Other Toxic Effects (Irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulation.

16. Other Information

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.

NA - Not Applicable

ND - No Data