



STEL = 500 ppm

## SAFETY DATA SHEET

### 1. Identification of the Substance and Company

**Septihol® Sterile**  
Sterile Alcohol Solution

**Product No. 6248**

SDS No. 6248

Use: Hard Surface Cleaner

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#### NFPA 704 HAZARD RATING:

HEALTH: 1  
FIRE: 3  
REACTIVITY: 0

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)

STERIS Limited, Chancery House, 190 Waterside Road, Hamilton Industrial Park, Leicester, LE5 1QZ, UK

Emergency Phone No: +44 (0) 1895 622 639

Product/Technical Information Phone No: +44 (0) 116 276 8636

**2. Hazards Identification:** Highly Flammable. Irritating to eyes.

### 3. Composition/Information on Ingredients

Hazardous Component(s)	% By Vol.	CAS No.	EU No.	Symbol	R Phrases	Oral LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Isopropyl alcohol	40 - 70	67-63-0	200-661-7	F/X <sub>i</sub>	11/36/67	>2000 mg/kg (Rat)	>5000 ppm / 1 hour (Rat)

### 4. First Aid Measures

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

**Skin Contact:** Flush skin immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

**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 large quantity of milk or water.

### 5. Fire-Fighting Measures

Flash Point: 69F (21C)

Method: Closed Cup

Explosibility Data/Auto-ignition Temperature/Upper and Lower Flammable Limits: ND

**Special Hazards:** Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

**Extinguishing Media:** Suitable for surrounding fire: water fog, "alcohol" foam, dry chemical or CO<sub>2</sub>.

**Special Fire Fighting Procedures:** WARNING: Flammable. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH-approved self-contained breathing apparatus. Cool fire exposed containers with water. **Hazardous Combustion Products:** CO<sub>x</sub>

**6. Accidental Release Measures:** Extinguish and do not turn on any ignition source until the area is determined to be free from fire or explosion hazard. Small spills may be flushed with large amounts of water; larger spills should be collected for disposal. Prevent large quantities from entering sewers, watercourses or low areas.

### 7. Handling and Storage

**7.1 Handling:** Do not use in or near the eyes. Use in only well-ventilated area.

**7.2 Storage:** Do not store in sunlight or in extreme temperatures.

### 8. Exposure Control/Personal Protection

#### 8.1 Occupational Exposure Limits: Isopropyl Alcohol

ACGIH TLV = 200ppm; OSHA PEL and HSE EH40 LTEL= 400 ppm. ACGIH and OSHA STEL and HSE EH40

### 8.2 Personal Protection

**Respirator Protection:** If exposure exceeds occupational exposure limits, use a NIOSH-approved respirator.

**Eye Protection:** Chemical goggles or full face shield. **Protective Gloves:** Rubber.

**Other Protective Clothing and Equipment:** Other clothing as required to minimize contact.

**Engineering Controls/Ventilation:** Local exhaust ventilation recommended to control air concentrations below established limits.

### 9. Physical and Chemical Properties

**Solubility in Water:** Complete **Specific Gravity:** Approximately 0.87 **Physical State/Appearance/Odor:** Colorless liquid under pressure/Alcohol odor; **pH, 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:** Avoid heat, sparks, flame and contact with strong oxidizing agents.

**Conditions to Avoid/Conditions of Reactivity:** None known.

**Hazardous Decomposition or Byproducts:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

### 11. Toxicological Information

#### 11.1 Acute (Primary Routes of Exposure)

**Eyes(Irritancy):** Product mists can cause eye irritation (watering).

**Skin (Irritancy or Sensitization):** Can cause mild skin irritation.

**Inhalation:** Product mists can cause headaches and/or dizziness.

**Ingestion:** May cause nausea or vomiting.

#### 11.2 Long Term Exposure

**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:** None available

**13. Disposal Considerations** Product may be flushed to a sanitary sewer with copious amounts of water, if in accordance with state, local and federal regulations. For additional guidance, contact the State Water Board or the Regional Office of the EPA.

### 14. Transport Information

**Ground: (US and Canada): (16 fl. oz. and 32 fl. oz.)** UN 1219, Isopropanol, 3, Flammable Liquid, PG II, LTD QTY (1 gal.): UN 1219, Isopropanol, 3, Flammable Liquid, PG II

**Road/Rail: ADR/RID Class:** UN 1219, Isopropanol, 3, Flammable Liquid, PG II, LTD QTY (**European labeled 16 fl. oz. size only**).

**Sea: (US and Canada): (16 fl. oz. and 32 fl. oz.)** UN 1219, Isopropanol, 3, Flammable Liquid, PG II, LTD QTY (1 gal.): UN 1219, Isopropanol, 3, Flammable Liquid, PG II

**Air:** All package sizes not approved for air.

### 15. Regulatory Information

**EU Regulations:** This preparation is classified as dangerous as defined by the UK Chemicals (Hazard Information and Packaging for Supply) Regulations. These regulations implement a number of EC Directives including the Dangerous Substances Directive (67/548/EEC and amendments), the Dangerous Preparations Directive (1999/45/EEC and amendments) and the Safety Data Sheets Directive (91/155/EEC and amendment).

**EEC Classification:** HIGHLY FLAMMABLE, IRRITANT

**Hazard Symbol:** F, X<sub>i</sub>

**Risk Phrases:** R11: Highly flammable. R36: Irritating to eyes. R67: Vapors may cause drowsiness and dizziness.

**Safety Phrases:** S2: Keep out of reach of children. S7: Keep container tightly closed. S16: Keep away from sources of ignition – No smoking. S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**WHMIS Classification:** Class B – Flammable Material

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS 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