



SAFETY DATA SHEET

1. Identification of the Substance and Company

Stainless Steel Cleaner

Cleaner and Polish for Stainless Steel

Product No. NM 410

SDS No. A301

Prepared by: M. Ebers

asksteris_msds@steris.com

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NFPA 704 Hazard Rating

Health: 1

Fire: 4

Reactivity: 1

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: 1-800-548-4873 (Customer Service-Healthcare Products)

2. Hazards Identification: Flammable; Irritant; Contents under Pressure

3. Composition/Information on Ingredients

Hazardous Component(s)	% By Wt.	CAS No.	Oral LD50	Inhalation LC50
Synthetic isoparaffinic hydrocarbon	30 - 40	64742-47-8	5000 mg/kg (rat)	>5.2 mg/L/4 hr (rat)
Acetone	10 - 15	67-64-1	5800 mg/kg (rat)	ND
Methyl acetate	8 - 10	79-20-9	>5000 mg/kg (rat)	>16000 ppm/4hr (rat)
Propane	10 - 15	74-98-6	ND	658 mg/L/4 hr (rat)
Non-hazardous and other components below reportable levels	20 - 40		ND	ND

4. First Aid Measures

Eye Contact: In case of contact, immediately flush with plenty of water for at least 15 minutes. Call a physician.

Skin Contact: In case of contact, immediately wash with plenty of water for at least 15 minutes. Wash with soap and water. Remove and wash contaminated clothing before reuse.

Inhalation: Move patient to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

Ingestion: Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get medical attention immediately.

5. Fire-Fighting Measures

Conditions of Flammability: Flammable aerosol by flame projection test.

Auto-ignition Temperature/Flash Point : -156°F

Flammable Limits: % Volume in Air: LEL: ND UEL: ND

Flammability Classification: NFPA 30B: Level 3 Aerosol **Explosibility Data:** ND

Special Hazards: At elevated temperatures (over 54C - 130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

Extinguishing Media: Foam, CO₂, Dry Chemical

Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment of shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Hazardous Combustion Products: ND

6. Accidental Release Measures: Remove all sources of ignition and ventilate area. Soak up excessive spills and place into a designated disposal container.

7. Handling and Storage

7.1 Handling: Avoid breathing spray mist. Keep away from heat and flame. Use with adequate ventilation.

7.2 Storage: Do not expose to direct sunlight or store at temperatures above 120F (48.9°C). Store as Level 3 aerosol (NFPA 30B)

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits

Propane: ACGIH TLV-TWA and OSHA PEL-TWA = 1000 ppm

Synthetic isoparaffinic hydrocarbon: OSHA PEL-TWA/STEL 152 ppm/NE

Acetone: ACGIH TLV-TWA/STEL 500ppm/750 ppm and OSHA PEL-TWA = 1000 ppm

Methyl acetate: ACGIH TLV-TWA/STEL and OSHA PEL-TWA/STEL = 200 ppm/250 ppm

8.2 Personal Protection

Respirator Protection: Not normally required. If exposure limits are exceeded or for symptoms of overexposure, wear a NIOSH approved Dust/Mist respirator.

Eye Protection: Safety glasses or goggles.

Protective Gloves: Rubber

Other Protective Clothing and Equipment: N/A

Engineering Controls/Ventilation: Normal Room Ventilation. Local exhaust may be necessary under some handling/use conditions.

9. Physical and Chemical Properties

Solubility in Water: ND

Specific Gravity (Concentrate): 0.7973 estimated

Physical State: Liquid **Appearance:** Compressed liquefied gas

Odor: Solvent **pH:** NA

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

Coefficient of Water/Oil Distribution: NA

10. Stability and Reactivity

Stability: Risk of ignition

Hazardous Polymerization: Will not occur

Incompatible Materials: ND

Conditions to Avoid/Conditions of Reactivity: Keep away from heat, direct sunlight, open flames or sparks. Dropping of container may cause bursting.

Hazardous Decomposition or Byproducts: Irritants. Toxic Gas

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes (Irritancy): May cause severe irritation.

Skin (Irritancy or Sensitization): May cause irritation. May be absorbed through the skin. Prolonged or repeated exposure may cause defatting, drying of skin and dermatitis.

Inhalation: Harmful. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion: Harmful or fatal. May cause stomach distress, nausea or vomiting. Aspiration into lungs may result in aspiration pneumonitis.

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: None available

13. Disposal Considerations: Do not puncture or incinerate containers. When contents are depleted continue to depress button until gas is expelled. Dispose in accordance with local, state, and Federal regulations.

14. Transport Information

Ground: Shipping Name: UN1950, Aerosols, Flammable, n.o.s, 2.1, LTD QTY

Sea: IMDG Class: UN1950, Aerosols, Flammable, n.o.s, 2.1, LTD QTY

Air: ICAO/IATA Not labelled or packaged for air.

15. Regulatory Information

WHMIS Classification: A – Compressed Gas; B – Flammable Aerosol; 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 Registration.

16. Other Information: None available

NA - Not Applicable ND - No Data