

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: LEMON CLEANER
 PRODUCT I.D. NUMBER (PIN): 1993
 PRODUCT NUMBER: 730006
 PRODUCT USE: Concentrated general use cleaner
 COMPANY: SSC SERVICE SOLUTIONS
 BOX 1
 KNOXVILLE, TN 37990
 EMERGENCY PHONE: 800-843-6174

WHMIS CLASS: B2; D2B
 DOT HAZARD CLASS: Flammable Liquid
 DOT SHIPPING NAME: Flammable Liquid, N.O.S. (Isopropanol) 3, UN1993, PGIII

H.M.I.S.

2	HEALTH	HAZARD RATING 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
3	FIRE	
0	REACTIVITY	
B	MAXIMUM PERSONAL PROTECTION	

A = Goggles, B = Goggles & Gloves, C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. = Not Applicable, N.E. = Not Established, N.D. = Not Determined

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
Water	7732-18-5	60-100	N.E.	N.E.	N.D.	N.D.
Quaternary ammonium chloride	5197-80-8	10-30	N.E.	N.E.	250mg/kg	86mg/l 1hr
Isopropanol	67-63-0	5-10	400ppm	400ppm	5.8g/kg	N.D.
Nonionic surfactant	N.A.	5-10	N.E.	N.E.	N.D.	N.D.

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

SECTION 3 - PHYSICAL DATA

Color and Odor: Yellow - Lemon
 Boiling Point: 212°F 100°C
 Vapor Pressure (mm HG): <30
 pH: 6.5 - 7.5 (1% pH 6.8)
 Physical State: Liquid
 Freezing Point: 32°F 0°C
 Vapor Density (Air=1): <1
 Specific Gravity: 0.98
 Odor Threshold: N.E.
 Water/Oil Distribution: N.E.
 Evaporation Rate (Water=1): N.E.
 Solubility in Water: Complete

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: 94°F 34°C (C.C.)
 Autoignition Temperature: N.A.
 Extinguishing Media: Use media proper to the primary cause of fire.
 Flammable Limits: Flammable liquid.
 LEL: N.E. UEL: N.E.
 Special Fire Fighting Procedures: Use proper protective equipment.
 Hazardous Combustion Products: N.A.
 Unusual Fire and Explosion Hazards: Avoid sources of ignition.

SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes No
 Incompatibility (Materials to Avoid): Strong oxidizers and sources of ignition.
 Hazardous Decomposition of By-Products: None known
 Hazardous Polymerization: May Occur Will Not Occur

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion, Inhalation, Skin, Eyes
 Sensitization: Yes No
 Toxicologically Synergistic Products: None known
 Medical Conditions Aggravated by Exposure: None known
 Carcinogenicity: None
 Teratogenicity: None
 Mutagenicity: None
 Reproductive Toxicity: None

EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):

Eyes: May cause irritation.
 Skin: May cause mild irritation. May be absorbed through skin with prolonged or repeated contact.
 Ingestion: May cause gastrointestinal irritation, nausea, diarrhea.
 Inhalation: Exposure in poorly ventilated area may cause respiratory irritation.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: None normally required with adequate room ventilation.
 Ventilation: Local Exhaust: Acceptable Mechanical: Recommended
 Protective Gloves: Rubber/Neoprene.
 Eye Protection: Safety glasses if splashing is likely.
 Protective Clothing and Equipment: As needed to prevent wetting of skin.
 Work and Hygienic Practices: Wash thoroughly after use.
 Storage Requirements: Store in cool, dry area away from sources of ignition. Empty container retains vapor and product residue; do not cut, puncture or weld on or near container.
 Other Requirements: Keep out of the reach of children.

Steps To Be Taken If Material Is Spilled Or Released: Collect and reuse if possible. Ventilate area and remove all sources of ignition. Collect on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.

Waste Disposal: Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:

Eyes: Flush with a large amount of water for 15 minutes holding eyelids open.
 Skin: Wash with mild soap and water.
 Ingestion: Give 2-3 large glasses of water. Seek medical attention.
 Inhalation: Remove to fresh air and rest. In all cases if symptoms persist, seek medical attention.

SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department

Phone: 615-546-8880

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