



Product Name	STEPOSOL[®] SC
Chemical Description	STEPOSOL SC is a blend of soy and corn esters.
CAS Registry No.	67784-80-9, 97-64-3
Chemical Name	Soy methyl ester and Ethyl lactate
INCI Name	Methyl soyate and Ethyl lactate
Applications	<p><u>Functional Properties</u></p> <ul style="list-style-type: none">• Used as a solvent replacement• Excellent solvency <p><u>End Product Uses</u></p> <ul style="list-style-type: none">• Varnish Remover• Graffiti Remover• Waterless Hand Cleaner• Concrete Cleaner• Printing Ink Cleaner• Grease Trap Cleaner• Brake Cleaner• Carbon Remover• Parts Washer Solvent• Adhesive Remover
Typical Properties	Appearance at 25°C Clear liquid Viscosity at 25°C, cps 10 Density at 25°C, g/ml (lbs/U.S. gal) 0.95 (7.9) Color, Gardner 1 Color, APHA 225 Cloud Point, °C (°F) -2.7 (27.2) Pour Point, °C (°F) -6.0 (21.2) Freeze Point, °C (°F) -15.1 (4.8) Melting Point, °C (°F) -4.7 (23.6) Boiling Point, °C (°F) 163 (325) Flash Point, PMCC, °C (°F) 69 (156) Refractive Index at 20°C 1.435 Surface Tension (as is), dynes/cm 30.1 Kauri-Butanol Value 318 Vapor Pressure at 25°C, mm Hg 0.19 Evaporation Rate (Butyl Acetate = 1) 0.17 VOC, CARB Method 310, % 50.0 VOC, U.S. EPA Method 24, % 53



Solubility

Water	Insoluble
Methanol.....	Soluble
Kerosene	Soluble
Xylene.....	Soluble
Isopropanol, Toluene, propylene carbonate, dibasic esters, d-Limonene, acetone, N-methyl-2-pyrrolidinone	Soluble

Biodegradability

This product is biodegradable. Additional information is available upon request.

Toxicity

The available safety information shows STEPOSOL SC to be slightly to practically non-toxic orally (oral LD₅₀ = 2500 to 5000 mg/kg). Product may cause skin/eye irritation.

Storage & Handling

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling STEPOSOL SC. Contact with eyes and prolonged contact with skin should be avoided. Wash thoroughly after handling this material.

Rags soaked with any solvent can present a fire hazard and should be stored in UL listed or Factory Mutual-approved covered containers. Improperly stored rags, under certain conditions can lead to spontaneous combustion.

Standard Packaging: STEPOSOL SC is available in drums (400 lb/181 kg) and in bulk quantities.

Recommended Drum Storage: STEPOSOL SC should be stored in sealed containers at a temperature between 50-122°F (10-50°C). Product temperatures over 130°F (54°C) are not recommended.

Recommended Bulk Storage: STEPOSOL SC can be stored in vessels of carbon steel, but 316 or 304 stainless steel is preferred. Tanks should be closed with venting through a gooseneck vent. Pumps, pipes, and transfer lines can be carbon steel, but 316 or 304 stainless is preferred. Rubber hoses are not recommended for extended use. Material should be stored between 50-122°F (10-50°C). Product temperatures over 130°F (54°C) are not recommended.

Clearances

All components of STEPOSOL SC are listed in the following countries: United States (TSCA 67784-80-9 and 97-64-3), Australia (AICS 67784-80-9 and 97-64-3), Canada (DSL 67784-80-9 and 97-64-3), Europe (EINECS 267-055-2 and 202-598-0), China (IECSC 67784-80-9 and 97-64-3), Korea (ECL Serial No. KE-31749 and KE-20855), Japan (ENCS 7-670 and 2-1371), New Zealand (NZIoC 67784-80-9 and 97-64-3), and Philippines (PICCS 67762-38-3 and 97-64-3).

This product is covered by one or more U.S. patents.
A Material Safety Data Sheet is available upon request.

Additional Safety Information

Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.



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