



Leave Nothing Behind

USP Grade Solvent Blend

Colour: Clear

Scent: Unscented

Protocol

Available Sizes:

1 L EcoPACK (06-USPE-001)

Purpose:

SpiritsUSP™ removes wax, resin, oil and organic soil from all hard surfaces, while minimizing the impact on the Environment, People and Equipment.

Suitable for:

Surface bonding preparation, 3D printing machines, resin and soil removal for general cleaning.

Applied Solvency Concepts:

Our packaging allows for no air to dilute the solvent, the blend of solvents does not include any water.

This ensures that once evaporated there is nothing left on the surface.

Quality Commitment:

Our vision of solvency holistically links the patient/client safety with the safety of professional staff. Our chemistry is based on materials of pharma-grade (USP EP BP NF) origin. Quality Ingredients include USP grain alcohol, isopropyl and ethyl acetate. Our EcoPACK™ concept delivers fresh product (no oxidation) and is fully recyclable (EVOH Bag/Recycled Corrugated Box).

Instructions for Use:

There are many ways to apply SpiritsUSP™ to both devices, surfaces and tools.

- 1) To apply using a brush, fill a small container with an airtight lid with (5 to 10 mL) of SpiritsUSP™. Apply using a brush to the device, surface or tool.
- 2) To apply using a wipe, fold it (we recommend LeCLOTH™), then place underneath spigot for 1 second, then apply to surface.
- 3) For Immersion use, fill an airtight container with the liquid covering the device or tool. See helpful tips regarding material compatibility.
- 4) Can be used in place of 99% isopropynol in any application.

Caution: Use with care as the product is Flammable



Precautions:

USE FULL STRENGTH – Do not dilute. RTU (Ready To Use Formulation)

Do not use on surfaces that undergo rapid temperature changes.

Do not use with cements and adhesives that are not fully cured.

CAUTION - NOT FOR USE on surfaces and materials that are not resistant to alcohol. This includes plastics that are not cross linked, acrylic latex painted surfaces or vinyl upholstery.

Helpful Tips:

To ensure that the solution contains the appropriate amount of active ingredient (Ethanol) use a Hydrometer. The reading should be 0.879 (+/- .02 at 20°)

Compatible with: Glass, Stone, Zirconia, Ceramic & Metal. Use care with Acrylics & Silicones < 1 min (less than).






See our website for specific details: www.micrylium.com/products



Revision Date: Dec 15, 2023 v2.0





1. IDENTIFICATION									
Product Name		Spirits USP			Manufacturer		Micrylium Laboratories Inc.		
Registration		CAN	Not Applicable		Address		5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.micrylium.com		
Indication		Solvent			Phone		416-667-7040		
					Fax		416-667-0071		
Emergency Phone #		CHEMTREC			1-800-424-9300		CANUTEC		1-613-996-6666
2. HAZARD IDENTIFICATION									
Symbol Pictogram		 			Signal Word		Warning		
					Symbol		Flame		
Hazard Classification		Flammable Liquid Category 3							
Health Hazard		Use Care (See Precautionary and Hazard Statements)				Environmental Hazards		Dispose with care (Highly Flammable)	
Precautionary & Hazard Statements		P102: Keep out of reach of children. P210: Keep away from heat, hot surfaces, sparks, open flames & other ignition sources. P301: IF SWALLOWED: Drink large quantities of water or milk. P305: IF IN EYES: Flush eyes with large quantities of water.			H226: Flammable liquid and vapour. H302: Harmful if swallowed. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.				
3. COMPOSITION									
Chemical		CAS #		LD-50 (Oral, mg/kg)- Rat		Concentration (%)			
Ethanol		64-17-5		7,060		90.0%			
Isopropyl Alcohol		67-63-0		5,045		7.0%			
Ethyl Acetate		141-78-6		5,620		3.0%			
4. FIRST AID MEASURES									
Inhalation		If breathing is difficult, remove individual to fresh air.			Ingestion		Drink large quantities of milk or water to dilute. Do not induce vomiting.		
Skin Contact		May cause dryness or irritation with prolonged contact.			Eye Contact		Causes serious eye irritation		
Most Important Symptoms and Effects (Acute and Delayed)									
May cause acute mild drowsiness, respiratory and/or eye irritation.									
Indication of any Immediate Medical Attention and Special Treatment Needed									
Not Applicable.									
5. FIREFIGHTING MEASURES									
Use dry chemical, foam, or CO ₂ . Use water spray to disperse vapours if needed. Firefighters: As with any fire, wear self-contained breathing apparatus.									
6. ACCIDENTAL RELEASE									
Use all means to prevent spillage. No other specific measures are necessary, provided vapours are not permitted to build up.									
7. HANDLING & STORAGE									
Store in a cool, dry, well-ventilated location. Keep away from heat, sparks and flames. DO NOT mix with bleach or peroxides. Storage and Transport: 0°- 30°C									
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION									
Respiratory protective equipment may be required if vapours are not permitted to escape. No other specific measures required.									
Component		ACGIH TLV		OSHA PEL		NIOSH		CCHOS	
Ethanol		STEL: 1000 ppm		(Vacated) TWA: 1000 ppm (Vacated) TWA: 1900 mg/m ³		IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³		TWA: 1000 ppm TWA: 1900 mg/m ³	
9. PHYSICAL AND CHEMICAL PROPERTIES									
Physical State	Colour	Odour	Solidification point	Boiling point OECD 103	Flash Point ASTM D53	Density @25°C	pH	Kinematic Viscosity@23°C	
Transparent, Liquid	Clear	Alcohol	-117°C	79°C	13°C	.811	N/A	N/A	
10. STABILITY AND REACTIVITY									
Stable under normal conditions. Incompatibility: Strong oxidants, acid chlorides, silver salts Decomposition: Products: CO ₂ , CO									
11. TOXICOLOGICAL DATA									
Acute Dermal Toxicity		LD ₅₀ >2000 mg/kg Not found to be dermal sensitizer			Acute Oral		LD ₅₀ >7000 mg/kg		
Ocular Irritation		Not Available			Acute Inhalation Toxicity		LC ₅₀ : 2.3 mg/L Rat		
Reproductive Hazards		Ingestion and Inhalation can be harmful. (TDLo 190mg/Kg Ethanol)			Carcinogenicity		Ingestion of Ethanol IARC Group 1.		
12. ECOLOGICAL INFORMATION									
Surfactants are readily biodegradable in soil and water. Persistence unlikely based on available data.									
Ethanol		EC50 (72h) = 275 mg/L (Chlorella vulgaris)		Fathead minnow (Pimephales promelas) LC50 = 14200 Mg/L/96h		Photobacterium Phosphoreum: EC50 = 34634 Mg/L/30 min Photobacterium Phosphoreum: EC50 = 35470 Mg/L/5 min		EC50 = 9268 mg/L/48h EC50 = 10800 mg/L/24h	
13. DISPOSAL CONSIDERATIONS									
Domestic. Dilute 4:1 with water. This product is flammable.									
14. TRANSPORT INFORMATION									
Emergency Response Guide #127									
	Land			Sea			Air (IATA)		
	Hazard Class 3			Hazard Class 3			N/A not to be shipped by air		
	UN 1170 Packaging Group II			UN 1170 Packaging Group II			N/A not to be shipped by air		
	Limited Quantity 1L			Limited Quantity 1L			N/A not to be shipped by air		
15. REGULATORY INFORMATION									
TSCA – No reporting required.					CERCLA – No hazardous pollutants or ozone depletion.				
16. OTHER INFORMATION									
The information and recommendations contained herein are based on information believed to be correct. It is offered in good faith, without guarantee. Micrylium Laboratories Inc. make no warranty expressed or implied.									
Effective Date: 2022/03/01			Revision Date: 2025/12/11				Document: Spirits 1.0		