



Spirits USP™

- ✓ **Non-Toxic**
- ✓ **Biodegradable**
- ✓ **Multi-Purpose**



INDUSTRIAL STRENGTH SOLVENT

Spirits USP™ is a ready-to-use solvent specifically formulated to remove wax, resin, oil, and other debris from hard surfaces including glass, stone, zirconia, ceramic and metal. Suitable for surface bonding preparation, cleaning of 3D printing machines, milling devices and other equipment and tools where unwanted waxes, resins and oils are present. It is an effective solvent that does not harm the hard surfaces it is cleaning. It is designed to minimize the impact on the environment, people, and equipment.



FASTER



Removes Stubborn Debris

Spirits USP™ fast acting formula removes stubborn debris from surfaces quickly and effortlessly.



Quick Dispensing

The EcoPack spigot design allows for quick dispensing of the solvent.



Kills Germs Quickly

Spirits USP™ antimicrobial properties quickly kills germs on the surface being cleaned.

SAFER



Non-Damaging

Does not damage your hard surfaces when used according to product directions.



No Water

Spirit's solvent blend does not include any water. This ensures that once evaporated, there is nothing left on the surface.



Pharma-Grade

Spirits USP™ is made with pharma-grade (USP, EP, BP, NF) origin.

KINDER



Certified Biodegradable

All ingredients are certified USP Pharma grade and/or food grade quality.



Environmentally Friendly

All products are made with biodegradable, plant-based ingredients.



EcoPack

The EcoPack designed packaging ensures there is no oxidation when dispensing product. This maximizes product freshness.



INDUSTRIAL STRENGTH SOLVENT

LIKE DISSOLVES LIKE



Spirits USP™ cleans wax and other debris off surfaces by acting as a solvent that disrupts and dissolves the intermolecular forces holding the wax, resin, oil and other molecules together. This process is based on the principle of "like dissolves like," where the chemical properties of Spirits USP™ are compatible with the non-polar (or weakly polar) nature of wax, resin and oils.

CAUTION



Do not use on surfaces that undergo rapid temperature changes. Not for use with cements and adhesives that are not fully cured. Do not use on surfaces and materials that are not resistant to alcohol. This includes plastics, acrylic latex painted surfaces or vinyl upholstery.

EFFECTIVENESS



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

HOW TO USE

DIFFERENT USES FOR SPIRITS USP™

1



To apply using a brush, fill a small container with an airtight lid with (5 to 10mL) of *SpiritsUSP™*. Apply using a brush to the device, surface or tool.

2



To apply using a wipe, fold it (we recommend *LeCLOTH™*), 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. Compatible with glass, stone, zirconia, ceramic and metal. Use care with acrylics and silicones (less than 1 minute).

4



Can be used to remove wax, resin, oil, shellac and varnish.

PRODUCT SPECIFICATION DATA

Item Number	Product Description	Packaging
06-USPE-001	SPIRITS™ USP 1L Bag-in-Box RTU	1 Box

CUSTOMER REVIEWS






“I switched to Spirits USP™ for prep work and haven't looked back. It cuts through sticky residues and leaves surfaces clean without that harsh chemical smell. Highly recommend!”

Sam R., Tattoo People, Ontario, Canada



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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		<p>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.</p> <p>H226: Flammable liquid and vapour. H302: Harmful if swallowed. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness.</p>							
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/m3		IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m3		TWA: 1000 ppm TWA: 1900 mg/m3	
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: 2025/10/31					Document: Spirits 2.0				