

Technical Bulletin

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TSC IPA (Isopropyl Alcohol) Technical Grade A

DESCRIPTION

TSC IPA (Isopropyl Alcohol) is an internationally approved multipurpose solvent which conforms to BS1595, ASTM D770, DIN 53245 and MIL Spec TT-I-735A. As a cleaner it is fully miscible in water and most organic fluids, making it good at dissolving dirt, light organic contaminants and ionic flux residues. The solvent will also readily form an azeotrope with water for effective removal of moisture from parts and components. IPA solvent will thoroughly clean all electronic equipment, fibre optic connectors, telephone circuits, LCD panels, delicate components, printed circuit board fluxes post soldering and is safe to use on most plastics. Within the Electronic assembly area IPA can also be used as a thinner for fluxes used in wave solder machines to adjust the specific gravity.

FEATURES AND BENEFITS

- 100% Ozone Friendly
- Fast evaporation rate offering quick and efficient cleaning and degreasing.
- Dries without leaving any residue; leaves a clean, dry surface in one cleaning step.
- Cost effective cleaning solvent.
- Safe on most plastics.
- Removes flux residues from PCB's
- IPA is RoHS-2 Compliant

APPLICATION

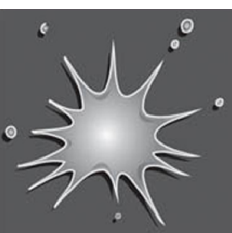
Immerse the surface to be cleaned or spray carefully onto the surface to be cleaned and allow to evaporate, use a brush or cotton bud to remove stubborn deposits. Warning IPA is a flammable solvent so care should always be taken when using it. Always use in a well-ventilated area. Do not use on live electrical equipment or other potential sources of ignition. Solder Connection also offers IPA and IPA / DI in lint free wipe form.

SAFETY

Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying Safety Data Sheet for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.

TECHNICAL DATA

Properties	Units	Limits	Test Methods		
			ASTM	ISO	Other
Appearance		Clear and free from suspended matter	D4176		Visual
Colour	Pt-Co	10 max	D1209	6271	
Water	mass %	0.1 max	D1364	760	
Acidity as CH ₃ COOH	mass %	0.001 max	D1613	2887	
Purity	mass %	> 99			GC



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Further properties

Typical Values					
Density at 2 0°C	g/ml	0.784-0.786	D4052	12185	
Distillation at 101.3 KPa:			D1078	918	
Initial boiling point	°C	82.0			
Final boiling point	°C	83.0			
Refractive index, n_D^{20}		1.377	D1218	5661	
Non volatile matter	mg/100ml	< 1	D1353	759	

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