

## IPA — Isopropyl Alcohol

**Product# ES605L, ES105, ES505, ES5505**

### Product Description

IPA – Isopropyl Alcohol is a highly effective, general use cleaning solvent that is used to clean a variety of substrates and remove a variety of soils. This 99.8% pure IPA is available in a variety of sizes for all types of use.

- 99.8% pure
- Low surface tension
- Effective cleaning agent
- Removes all types of residues, oxides, oils and contaminants
- Evaporates quickly and leaves no residue
- Safe on most plastics and elastomers
- Contains no CFCs, HCFCs or ODP's
- ES105 = NSN 6810-00-286-5435

*Specifications: Meets or exceeds TT-I-735 Rev. A and ASTM D770-05.*

### Typical Applications

IPA – Isopropyl Alcohol effectively removes oils, dirt and dust from:

- Commercial Tape, Record/Players
- Industrial Tape, Record/Players
- Compact disk laser read
- Electronic contacts
- Tools
- Electronic devices
- Hard surfaces



### Typical Product Data and Physical Properties

<b>Solubility in Water:</b>	100%
<b>Boiling Point:</b>	180°F / 82°C Initial
<b>Melting Point</b>	-128°F / -89°C
<b>Flash Point (TCC):</b>	53°F / 12°C
<b>Specific Gravity:</b> (Water = 1)	0.783-0.787
<b>Vapor Density (Air = 1)</b> @ 100°F / 38°C	>1
<b>Appearance</b>	Clear, colorless liquid
<b>Odor</b>	Mild
<b>Evaporation Rate:</b> (ether =1)	<1
<b>Surface Tension:</b> (dynes/cm @25°C)	22
<b>VOC Content*:</b>	
CARB	100%
SCAQMD	790g/L
Federal	100%
<b>Kauri-Butanol (KB) Number</b>	80
<b>Shelflife</b>	2 years after opening

### RoHS Compliant

\*Volatile Organic Compound (VOC) information is calculated on a weight basis using the VOC definition of California Air Resources Board (CARB) Consumer Product Regulations, South Coast Air Quality Management District (SCAQMD) Rule 102 and the Federal definition published in 40 CFR 51.100(s).

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### Compatibility

IPA – Isopropyl Alcohol is generally compatible with most materials used in electronics. As with any chemical product used, component compatibility must be determined on a non-critical area prior to use. Do not use with energized equipment.

Material	Compatibility
Aluminum	Excellent
Buna-N	Good
CPVC	Excellent
Epoxy	Excellent
Neoprene	Good
Noryl	Excellent
Phenolic	Excellent
Cross-Linked PE	Good
Polycarbonate	Poor
Polypropylene	Good
Polystyrene	Poor
PVC	Fair
Teflon	Excellent
Tygon	Good
Viton	Excellent

### Usage Instructions

**For industrial use only. Read SDS carefully prior to use.**

No special surface preparation is required prior to applying IPA – Isopropyl Alcohol. For optimum results, apply using Chamois Tips to quickly and safely remove oxides, dust and other contaminants. Use 6709 Econowipes for lint-free wiping of large areas.

### Availability

<b>ES605L</b>	16 oz. / 473ml Liquid
<b>ES105</b>	1 gal. / 3.7 L Liquid
<b>ES505</b>	5 gal. / 18.9 L Liquid
<b>ES5505</b>	53 gal./ 200 L Liquid

### Environmental Impact Data

CFC	0.0%
HCFC	0.0%
CL Solv.	0.0%
VOC	100%
HFC	0.0%
ODP	0.0

CFC, HCFC, CL. SOLV., VOC, and HFC numbers shown are the content by weight. Ozone depletion potential (ODP) is determined in accordance with the Montreal Protocol and U.S. Clean Air Act of 1990. The ODP of this product is 0.0. It is the sum of the ODP of the substances that may contribute to the depletion of stratospheric ozone, based upon the weight of each substance in the product's formulation.

### Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

*The toll free number is: 1-800-TECH-401.*

### Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.