

Coventry 12805 IPA Precision Cleaning Solvent

Product # 12805

Product Description

Coventry™ IPA Solvent is a highly processed and filtered grade of isopropanol. Specifically engineered to create a low residue, high purity grade of alcohol, this material excels in operations that require very low residue. Isopropanol is a water-soluble, colorless volatile liquid.

- Cleaning solvent for critical cleaning applications
- No Ozone Depleting Chemicals
- Removes particulates and debris
- Low surface tension
- Low toxicity
- Fast drying
- Very low non-volatile residue

Typical Applications

Coventry IPA is used to clean and prepare a variety of surfaces within critical environments:

- Cleaning
- Coupling agent
- Pharmaceutical
- Extraction
- Drying agent



Typical Product Data and Physical Properties

Purity	>=99.8%
Boiling Point	180°F/82°C
Solubility in Water	complete
Specific Gravity	0.79
Vapor Pressure @68°F	88.7 mm Hg
Vapor Density (air=1)	3.3
Appearance	Clear, colorless liquid
Odor	Ethereal
Surface Tension (dynes/cm @ 73°F)	21.4
Flash Point (TCC)	53°F/12°C
Evaporation Rate (butyl acetate =1)	2.9
Molecular Weight	60.1
VOC* Content	
CARB	100%
SCAQMD	790 g/L
Federal	100%
Shelflife	2 years from DOM unopened
RoHS Compliant	Yes

*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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Typical Product Data (cont.)

Moisture Content (ASTM D-3401)	<500 ppm by weight before opened
NVR (ASTM-D-2109)	<20 ppm by weight

Compatibility

Coventry™ IPA is compatible with most metals and plastics. As with any solvent, compatibility with substrate should be determined on a non-critical area prior to use. Long term compatibility with materials used during manufacturing must be evaluated as there is potential for plasticizers to be leached from plastic funnels, syringes, housings, bottles, etc.

Material	Compatibility
Aluminum	Excellent
Buna-N	Good
CPVC	Excellent
Copper	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 MSDS carefully prior to use.

No special surface preparation is required prior to applying Coventry IPA. For optimum results, apply using Coventry Cleanroom Swabs to quickly and safely remove oxides, dust and other contaminants. Use Coventry Cleanroom Wipes for lint-free wiping of large areas. Coventry IPA should be used in a well-ventilated area. Keep away from ignition sources.

Availability

12805 1 gal. / 3.8 L liquid

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.