

# COVENTRY™

*High Precision Solutions for  
Critical Environments & Applications*



High Purity Solvents

Engineered Cleaners

Swelling Agents

Carrier Fluids

*Let us engineer a solution for you.*

 **Chemtronics®**

# COVENTRY™

## High Purity Solvents, Engineered Cleaners, Swelling Agents and Carrier Fluids

Coventry™, a brand of ITW Chemtronics®, is known globally for solving the most critical precision cleaning challenges. Coventry solvent cleaners, swelling agents and carrier fluids are formulated and manufactured to exacting specification to provide unparalleled performance.

We have off-the-shelf products and can even engineer customized solutions to meet your specific needs...

- Low toxicity for worker and patient safety
- HAPS-free, zero VOC, zero ozone depleting and low global warming for little or no environmental impact
- Versatile for operational simplicity and efficiency
- Fast dry and highly effective
- Compatible with all substrates – plastics, metals and elastomers
- Consistent for reliability and quality

*Let us engineer a solution for you.*

### Coventry™ 12851

#### Precision Vapor Cleaning Solvent

*Powerful, nonflammable solvent for vapor degreasing, ultrasonic and immersion cleaning*

- Powerful cleaning agent to machining fluids and oils, dirt, grease, dust and other contaminants
- Nonflammable
- Penetrates to clean hard to reach areas
- Evaporates quickly and leaves no residues, minimizes process time
- Noncorrosive, safe for sensitive metals

**12851** 1 gal. / 3.8 L liquid

**12851-5** 5 gal. / 19 L liquid

### Coventry™ 12857

#### Nonflammable Swelling Solvent and Cleaner

*Powerful, nonflammable and low-VOC swelling agent*

- Swelling of platinum and peroxide cured silicone, urethane
- Safe and noncorrosive on sensitive plastics, titanium, PEEK and stainless materials
- Powerful cleaning agent to remove oils, dirt, grease, dust, and other contaminants
- Nonflammable
- Penetrates to clean hard to reach areas
- Evaporates quickly and leaves no residues, minimizes process time

**12857** 1 gal. / 3.8 L liquid

### Coventry™ 12803 Heptane

#### Precision Swelling and Cleaning Solvent

*High-purity solvent to swell silicone and urethane elastomers and tubing*

- Exceeds reagent grade purity
- Swelling of platinum and peroxide cured silicone
- Deposition of silicone lubricants
- Cleaning solvent for critical cleaning applications
- Removes greases and waxes from hard impervious surfaces
- Low surface tension
- Evaporates quickly and leaves no residues, minimizes process time
- No ozone depleting chemicals

**12803** 1 gal. / 3.8 L liquid

### Coventry™ 12866

#### Cutting Fluid and Biocide Remover

*For removing cutting fluids, machine oil and biocide from surgical devices*

- Ideal for removing oils, dust, and other manufacturing contaminants found on medical devices
- Removes residual biocides from polymeric surfaces
- Safe for use on titanium, stainless steel, composite materials
- Penetrates to clean hard to reach areas
- Evaporates quickly and leaves no residues, minimizes process time
- Noncorrosive, safe for sensitive metals

**12866** 1 gal. / 3.8 L liquid





Coventry™ 12855

## Zero-VOC Silicone Swelling Solvent

*Silicone swelling agent and mold release remover*

- Swelling of platinum and peroxide cured silicone
- Silicone swells and returns to original state quickly and efficiently
- Powerful cleaning agent to machining fluids and oils, dirt, grease, dust and other contaminants
- Removes mold release compounds
- Zero VOC for greater regulatory compliance
- Evaporates quickly and leaves no residues, minimizes process time
- Safe on most plastics
- Noncorrosive, safe for sensitive metals

**12855** 1 gal. / 3.8 L liquid

Coventry™ 12807 Acetone

## Precision Cleaning Solvent

*Low residue, high purity grade of acetone*

- Quickly removes greases and waxes from hard impervious surfaces
- Low surface tension
- Low toxicity
- Evaporates quickly and leaves no residues, minimizes process time
- Zero VOC and no ozone depleting chemicals

**12807** 1 gal. / 3.8 L liquid

Coventry™ 12805 IPA

## Precision Cleaning Solvent

*Low residue, high purity isopropyl alcohol*

- 99.8% or greater purity and meets USP standards
- Cleaning solvent for critical cleaning applications
- Low surface tension
- Low toxicity
- Evaporates quickly and leaves no residues, minimizes process time
- No ozone depleting chemicals

**12805** 1 gal. / 3.8 L liquid

Coventry™ 12809

## Multi-Phase Carrier Solvent

*2-part solvent system with maximum performance and safety*

- Moisture and oxygen free – prevents premature curing
- High solubility of silicone and other lubricants.
- Nonflammable, no ozone depleting chemicals
- Low toxicity
- Fast acting / high productivity throughput

**12809** 1 gal. / 3.8 L liquid



	12803 n-Heptane	12805 IPA Solvent	12807 Acetone Solvent	12809 Carrier Solvent	12851 Vapor Solvent	12855 Zero-VOC Solvent	12857 Nonflammable Solvent	12866 Cutting Fluid Remover
<b>FUNCTIONS</b>								
<b>Precision Cleaning</b>								
Cleaning Strength	○	○	●	○	●	○	●	●
Cleaning Sensitive Substrates	●	●	○	○	○	○	○	○
Metal Cleaning	●	●	●	○	●	●	○	●
<b>Tube &amp; Elastomer Swelling</b>	●	○	○	○	○	●	●	○
<b>Carrier &amp; Deposition</b>	●	○	○	●	○	●	○	○

○ = Not Recommended, ○ = Effective / Gentle, ● = Very Effective / Strong, ● = Ideal / Very Strong

GENERAL PROPERTIES								
Flammability	Y	Y	Y	N	N	Y	N	Y
Low / No VOC	N	N	Y	N	N	Y	Y	N
Plastic Safety	F	M	F	M	F	F	M	M
Dry Speed	N	Y	N	Y	N	N	N	Y

Y = Yes, N = No, M = Moderately fast, F = Very Fast

	TYPICAL APPLICATIONS	SOILS REMOVED
<b>Precision Cleaning</b>	Orthopedic Implants Neuromodulators Wires, Leads & Cables Dental Implants Heart Valves Peripheral Vascular & Cardiac Catheters	Endoscopes Needles Stents Cardiac Pacemakers Other Surgical Instruments
<b>Tube &amp; Elastomer Swelling</b>	Port/Catheter Assemblies Barbed & Barbless Couplings Silicone & Urethane Elastomeric Tubes	Handling & Processing Oils Buffing Compounds Cutting Fluids Light Greases & Heavy Oils Mold Releases
<b>Carrier &amp; Deposition</b>	Blades Vitrectomy Devices Ophthalmological Surgical Probes Peripheral Vascular Catheters & Devices	Silicones Biocides

Let's work together to address your medical device assembly challenges.

Contact our Life Sciences Manager Samantha Luedke at [sluedke@itwccce.com](mailto:sluedke@itwccce.com) or 770-424-4888 ext 214.