



GREENFIELD
GLOBAL

World Grade™ Solvents: Multi-Compendial Products for Global Markets



World Grade™ Solvents

Ensure global compendial methods are tested with Greenfield's World Grade solvents, manufactured for pharmaceutical applications worldwide.

What Makes World Grade Solvents Different

World Grade solvents represent Greenfield Global's commitment to meeting the most stringent international pharmaceutical standards. These premium solvents, under the Pharmco™ by Greenfield Global brand, are tested to global standards, including USP, EP/BP, JP, and NF, and are processed in a GMP environment aligned with IPEC.

Key Features:

- **GMP Manufacturing:** The solvents are processed by Greenfield in a IPEC-compliant certified facility and in accordance with Good Manufacturing Practices (GMP)
- **Elemental Impurity Compliance:** Tested to meet USP General Chapter <232>, EP General Text 5.20, and ICH-Q3D elemental impurity standards
- **Multi-Compendial Certifications:** Individual products certified to meet specific compendium grade specifications
- **Global Standards:** Tested to satisfy international specifications across multiple markets

Product Portfolio

Product	Compendial Testing
Acetone	BP, EP, NF
Benzyl Alcohol	BP, EP, JP, NF
Dichloromethane	EP, NF
Ethyl Alcohol 95%, 100% (190, 200 Proof)*	BP, EP, JP, USP
Ethyl Alcohol 95.5% (191 Proof)*	BP, EP, JP, USP
Ethyl Alcohol 96% (192 Proof)*	BP, EP, JP, USP
Glycerin (Natural)	BP, EP, JP, USP
Isopropyl Alcohol (IPA) 99%	BP, EP, JP, USP
n-Propyl Alcohol (1-Propanol)	EP
Propylene Glycol	EP, JP, USP
Water	EP, JP, USP

Compendial testing: BP (British Pharmacopoeia), EP (European Pharmacopoeia), JP (Japanese Pharmacopoeia), NF (National Formulary), USP (United States Pharmacopoeia)

*Antibiotic-free manufacturing available by request

Trusted Across Industries for Critical Applications

World Grade™ solvents are processed for demanding applications

Pharmaceutical Manufacturing

- Process development and manufacturing
 - Formulation development
 - Cleaning and purification processes
 - Quality control analytical testing
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Quality Assurance Manufacturing Excellence

- Good Manufacturing Practice (GMP) compliant processing
 - Rigorous quality control testing at every stage of processing
 - Complete batch traceability
 - Certificates of analysis provided with each shipment
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Multi-Compendial Testing Standards

- USP General Chapter <232>
 - EP General Text 5.20
 - ICH-Q3D elemental impurity guidelines
 - Individual compendium specifications for each grade
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Global Standards

- Multi-compendial testing for worldwide regulatory acceptance
- Consistent quality regardless of destination market
- Streamlined supply chain for multinational operations



Why Choose World Grade™ Solvents

Simplified Global Compliance & Supply Chain

- Single source for multiple compendial grades
- Reduces complexity of international supply chains
- Consistent quality standards across all markets
- Consistent lead times and inventory management

Proven Manufacturing Expertise

- 30+ years of pharmaceutical solvent manufacturing experience
- Rigorous quality systems and testing protocols
- Technical support and regulatory expertise

Our solutions support development across:

Small Molecule Pharmaceuticals Process solvents and aqueous solutions	Large Molecule Biologics Process solvents and buffer solutions	Analytical Research HPLC-grade solvents	Medical Device Cleaning, storage, and processing solvents
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Serving customers in more than 50 countries, Greenfield fulfills over 35,000 orders annually through our integrated global supply chain, including three high-purity alcohol distilleries, four blending and packaging facilities, and eight strategic warehouse locations.

What Sets Us Apart



Innovation

We are constantly seizing opportunities to develop new products, processes and methods to meet the diverse and demanding requirements of our customers.



Collaboration

We are part catalyst, part collaborator. We work with partners to get the most out of our existing products, and to develop custom solutions for our customer requirements.



Responsibility

Our commitment to give back to local communities goes beyond the bottom line. We give back to the planet by processing renewable resources into low carbon fuels and chemicals.



Agility

Our team is not only fast, it has the flexibility and creativity to pivot with customer needs to develop custom-made, on-time solutions.



Discipline

At every plant, and for every customer, for every shipment, we put quality first. We operate a tight, transparent supply chain while meeting the highest regulatory standards.

Product Portfolio

Product Name	CAS #	Packaging	Catalog Number
Acetone, ACS/BP/EP/NF	67-64-1	4 Liter Amber Glass	329WORLD4L
		5 Gal Metal Pail	329WORLDPL05M
		5 Gal Poly Pail	329WORLDPL05
		55 Gal Metal Drum	329WORLD55M
		55 Gal UV Drum	329WORLD55UV
		204 Liter SSRC	329WORLD200SSRC
		Bulk	329WORLD01
Benzyl Alcohol, BP/EP/JP/NF	100-51-6	1 Liter Amber Glass	303WORLD1L
		4 Liter Amber Glass	303WORLD4L
		5 Gal Metal Pail	303WORLDPL05M
		55 Gal Metal Drum	303WORLD55M
Dichloromethane, ACS/EP/NF	75-09-2	55 Gal Metal Drum	313WORLD55M
Ethyl Acetate, ACS/BP/EP/NF/USP	141-78-6	4 Liter Amber Glass	330WORLD4L
		5 Gal Metal Pail	330WORLDPL05M
		5 Gal Poly Pail	330WORLDPL05
		55 Gal Metal Drum	330WORLD55M
Ethyl Alcohol 100% (200 Proof), ACS/BP/EP/JP/USP/FCC	64-17-5	500 mL Amber Glass	111WORLD200CS500AG
		1 Liter Amber Glass	111WORLD200CS1L
		1 Gallon Fluorinated Poly	111WORLD200CSGF
		4 Liter Amber Glass	111WORLD200CS4L
		5 Gal Metal Pail	111WORLD200PL05M
		5 Gal Poly Pail	111WORLD200PL05
		5 Gal Shelf Sitter	111WORLD200SS05

Ethyl Alcohol 100% (200 Proof), ACS/BP/EP/JP/USP/FCC	64-17-5	55 Gal Metal Drum	111WORLD200DM55M
		55 Gal UV Drum	111WORLD200DM55UV
		200 Liter SSRC	111WORLD200200SSRC
		270 Gal Tote	111WORLD200IBC270
		1250 Liter SSRC	111WORLD2001250SSRC
		Bulk	111WORLD200BK01
Ethyl Alcohol 100% (200 Proof), ACS/BP/EP/JP/USP/FCC, HPLC-UV	64-17-5	55 Gal UV Drum	111WORLDUV200DM55UV
Ethyl Alcohol 96% (192 Proof), ACS/BP/EP/JP/USP	64-17-5	4 Liter Amber Glass	111WORLD192CS4L
		5 Gal Poly Pail	111WORLD192PL05
		55 Gal Metal Drum	111WORLD192DM55M
		55 Gal UV Drum	111WORLD192DM55UV
Ethyl Alcohol 95.5% (191 Proof), ACS/BP/EP/JP/USP	64-17-5	4 Liter Amber Glass	111WORLD191CS4L
		55 Gal Metal Drum	111WORLD191DM55M
		55 Gal UV Drum	111WORLD191DM55UV
Ethyl Alcohol 95% (190 Proof), ACS/ USP/EP/BP/JP/FCC	64-17-5	4 Liter Amber Glass	111GMP190CS4L
		5 Gal Metal Pail	111GMP190PL05M
		5 Gal Poly Pail	111GMP190PL05
		55 Gal Metal Drum	111GMP190DM55M
		55 Gal UV Drum	111GMP190DM55UV
		270 Gal Tote	111GMP190IBC270
		Bulk	111GMP190BK01
Glycerin, BP/EP/JP/USP/FCC	56-81-5	4 Liter Amber Glass	349WORLDACS4L
		5 Gal Poly Pail	349WORLDPL05
		55 Gal Poly Drum	349WORLD55DM55
		272 Gal Tote	349WORLDIBC272

IPA 99%, ACS/BP/EP/JP/USP	67-63-0	4 Liter Amber Glass	231WORLD4CS4L
		5 Gal Metal Pail	231WORLDPL05M
		5 Gal Poly Pail	231WORLDPL05
		55 Gal Metal Drum	231WORLD55M
		55 Gal UV Drum	231WORLD55UV
		270 Gal Tote	231WORLDIBC270
		Bulk	231WORLD01
Methanol, ACS/BP/EP/NF/USP	67-56-1	4 Liter Amber Glass	339WORLD4CS4L
		5 Gal Poly Pail	339WORLDPL05
		55 Gal Metal Drum	339WORLD55M
		55 Gal UV Drum	339WORLD55UV
		200 Liter SSRC	339WORLD200SSRC
		270 Gal Tote	339WORLDIBC270
		1250 Liter SSRC	339WORLD1250SSRC
		350 Gal Tote	339WORLDIBC350
n-Propyl Alcohol, ACS/EP/FCC	71-23-8	4 Liter Amber Glass	334WORLD4CS4L
		55 Gal Metal Drum	334WORLD55M
Propylene Glycol, EP/JP/USP/FCC	57-55-6	55 Gal Poly Drum	369WORLD55
		260 Gal Tote	369WORLDIBC260
Water, EP/JP/USP	7732-18-5	5 Gal Cube	232WORLD05
		55 Gal Poly Drum	232WORLD55
		55 Gal UV Drum	232WORLD55UV

Compendial testing: BP (British Pharmacopoeia), EP (European Pharmacopoeia), JP (Japanese Pharmacopoeia), NF (National Formulary), USP (United States Pharmacopoeia)

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Ready to simplify your global solvent supply?

Contact your Greenfield Global team today!



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[greenfield.com](https://www.greenfield.com)

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