

Small Molecules

Solvent system design support for API synthesis, crystallization, purification, and advanced formulation technologies



High-Purity Solvents for API Synthesis

Solvent system design with a focus on process performance

In small molecule manufacturing, solvent systems directly influence reaction efficiency, impurity profiles, polymorph control, crystal morphology, scalability, and downstream process consistency. Greenfield Global supports small molecule manufacturing process development and MSAT teams in solvent system design by providing high-quality products and expertise to help achieve target technical performance and operational reliability.



How We Support Advanced Formulations for ASD & SSD

By working at the application level, we help support formulation solvent system design

Spray drying technologies like amorphous solid dispersions (ASD) and secondary spray drying (SSD) have become critical formulation strategies for low-solubility compounds, such as BCS Class II and IV drug substances. Solvent system design can influence spray drying performance as well as safety, compliance, and scalability.

If you need better **reaction performance**

Compound solubility in the chosen solvent system can influence reaction performance, and Greenfield Global can help you with your solvent system design. We offer:

- High-purity, multi-compendial ethanol portfolio.
- A wide range of solvents including acetone, acetonitrile, dichloromethane, dimethylformamide, methanol, propylene glycol, and more.

If you need greater **purity control**

Our high-purity solvents are designed to help you achieve tighter control over process impurities and product quality.

- Our World Grade™ solvents are tested to rigorous global pharmacopeial and quality standards, supporting impurity management and helping safeguard critical quality attributes.

If you need **process reproducibility**

Greenfield Global offers multi-compendial, high-purity solvents and custom blends.

- We blend high-concentration ethanol and other flammable, hazardous chemicals to your specifications.
- We support scale-up and technology transfer from development to commercial scale production.

How we can support your **safety** needs

Greenfield Global specializes in flammable, hazardous solvent supply and management, and we can help you mitigate safety risks:

- We offer custom blending of ethanol, methanol, or other solvents.
- Our stock program provides off-site solvent storage and stock level monitoring, reducing your on-site solvent storage footprint.

How we can support your **compliance** requirements

Our premium solvents are tested to global standards and are processed in an IPEC-compliant GMP environment. We support processes requiring compliance with:

- Products processed in ISO 9001 and/or EXCiPACT-certified facilities.
- Compendial testing: USP, EP/BP, JP, ACS monographs.

How we can help meet your **scalability** needs

We offer flexible packaging and sampling options:

- Drums, totes, stainless steel returnable containers, bulk tankers, ISO tankers, railcars, and more.
- Pre-shipment, tailgate sampling, and qualification samples available.

Greenfield Global for Small Molecules Manufacturing

High-Purity Solvents & Process Support from Development through Commercial Manufacturing

Chemical	CAS#
Acetone	67-64-1
Acetonitrile	75-05-8
Dichloromethane	75-09-2
Dimethylformamide	68-12-2
Ethanol (Ethyl Alcohol)	64-17-5
Ethyl Acetate	141-78-6
Isopropyl Alcohol	67-63-0
Methanol	67-56-1
n-Propyl Alcohol	71-23-8
Propylene Glycol	57-55-6
Water for Injection (WFI)	7732-18-5



High-purity alcohols and solvents for critical applications



Custom blending and high-concentration optimization



Vertically integrated supply chain with end-to-end visibility and traceability



Global compendial-grade options available to meet quality requirements



Access
product list



Request
a sample



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