



GREENFIELD
GLOBAL

Quality Producer and Manufacturer of Mission Critical Life Science Materials





ABOUT US

For more than 30 years, Greenfield Global has been a leading global producer of high-purity alcohols, specialty solvents, and custom blended solutions to businesses worldwide.

Serving customers in more than **50 countries worldwide**, Greenfield fulfills more than **35,000 orders per year** through a global supply chain, including **3 high-purity alcohol distilleries**, **5 blending and packaging facilities**, and **8 warehouses**.

What We Do

High-Purity Alcohol & Solvents	GMP Manufacturing
On-Site Endotoxin & Bioburden Testing	On-Site Quality Control
Transparent Supply Chain	Regulatory Expertise

YOUR PARTNER IN THE LIFE SCIENCE ECOSYSTEM

We supply process materials and excipients that can be used in the production of:

ORAL DOSE

Modified Release Tablets and Capsules, Cough Syrups, Candies, Coatings, etc.

API

Biologics, Biosimilars, Vaccines, Animal Health, etc.

TRANSDERMAL

Patches, Ointments and Creams

INHALATION

Inhalers and Nebulized Materials

MEDICAL DEVICES





QUALITY YOU CAN TRUST

We understand quality is paramount in the sensitive environments necessary for biologics and pharmaceutical manufacturing. To ensure you have a quality-aligned partnership, we operate under many of the same regulations and guidelines including ISO, EXCiPACT, IPEC, GMP and FDA.

As a direct producer of high-purity alcohol, we maintain the chain of custody from our distilleries to our GMP manufacturing facilities which allows full quality control and supply chain transparency at every step.

- ISO 9001:2015
- EXCiPACT certified under IPEC guidelines in Portlaoise, Ireland
- On-site Quality Control and Microbial laboratories with state-of-the-art instrumentation
- On-site generation and storage for USP purified water and water for injection (WFI)
- Multi-compendial, elemental impurity, and custom testing available
- Certificates of analysis on raw materials as well as finished goods
- End-to-end supply chain with full documentation

GMP AQUEOUS SOLUTIONS

Whether in the research and development stage, or scaling up for production, you may require products that are not readily available or you have limited resources to produce in-house.

Our team will work to understand your requirements, scaling up to deliver ready-to-use solutions just in time, allowing you to stay focused on your core operations while we handle the raw material logistics and storage, regulatory compliance challenges, and manufacturing operations.

Our Portlaoise, Ireland, location provides bioprocess solutions to global life science customers. All blends are produced in product dedicated blending venues and can be packaged in our Class 8 cleanroom. All material is released from our in-house analytical and microbial laboratory.



Our Portlaoise, Ireland, location is an EXCiPACT certified, GMP aqueous solutions facility.

Custom Solutions Commonly Provided

**Ethanol
Solutions**

**Sodium
Hydroxide
Solutions**

**Sodium Chloride
Solutions**

**Phosphoric Acid
Solutions**

**Citric Acid
Solutions**

**Glycerol
Solutions**

SPECIALTY SOLVENTS

These select products from our high-purity solvent portfolio are available in compendial grades including USP/NF, Ph Eur, ACS and others. Some solvents may be certified Kosher.

Acetone
Acetonitrile
Dichloromethane (DCM)
Dimethylformamide (DMF)
Ethanol*
Ethyl Acetate
Ethylene Glycol
Glycerin
Heptane
Hexane
Hexylene Glycol
Isopropyl Alcohol (IPA)**
Methanol
Methyl Ethyl Ketone (MEK)
Methyl Isobutyl Ketone (MIBK)
n-Butyl Alcohol
n-Propyl Alcohol (1-Propanol)
Petroleum Ether 35-60 ° C
Propylene Glycol (1, 2 Propanediol)
Toluene
Water
Xylene

* any concentration from 99.99% (200 Proof) down to 15% (30 Proof) made with USP purified water or water for injection (WFI). Ethanol can be denatured.

** any concentration from 99% down to 10% made with USP purified water or water for injection (WFI).



PACKAGING SOLUTIONS

Your packaging needs will change as your operations evolve which is why we offer packaging options from bottles to full ISO tanks, including single-use bags, pails, drums, IBCs/totes and more.

Beyond container flexibility, we can provide:

- ISO cleanroom manufacturing
- Temperature control warehousing for storage
- Multi-year stability studies for materials and packaging
- Tailgate and pre-shipment samples



1 Pint or 500 mL
Poly or Glass



1 Gallon
Poly



4 Liter
Amber Glass



Railcars



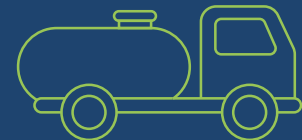
5 Gallon Pail
Metal or Poly



55 Gallon Drum
Metal or Poly



270 Gallon Tote
Poly or Steel



Bulk
Tanker



56 Liter Stainless
Steel Returnable
Container



200 Liter Stainless
Steel Returnable
Container



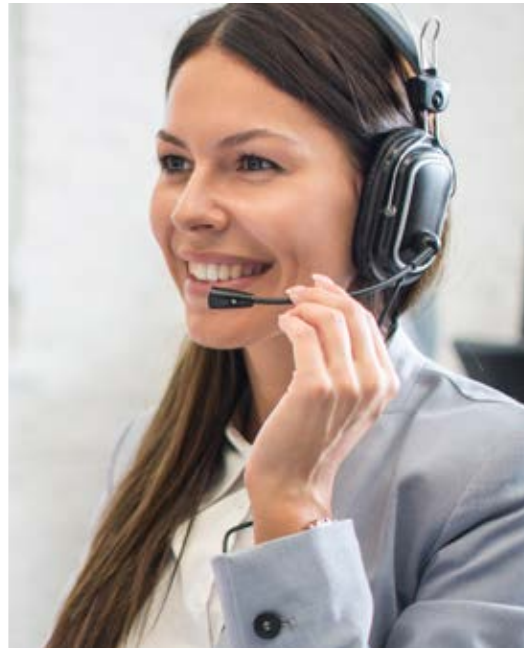
1250 Liter Stainless
Steel Returnable
Container

Container availability may vary based on location.



Ready to get started?

Contact your Greenfield Global team today!



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