

**Dimethyl Sulfoxide USP**  
**High Purity and Versatility for Drug Delivery**  
**Dr. Artie McKim**

*Soapbox Presentation at:*

**Controlled Release Society**

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Gaylord Chemical Corporation, CRS Booth 513

# Dimethyl Sulfoxide USP

## High Purity and Versatility for Drug Delivery

Presented by Dr. Artie McKim, Director of Technology, Gaylord Chemical Company, L.L.C.

**Gaylord Chemical Company, L.L.C.** provides the exact grades of Dimethyl Sulfoxide (DMSO) suitable for pharmaceutical reaction synthesis and Drug Delivery applications. We produce the only DMSO conforming to both the USP and Ph.Eur. DMSO USP is manufactured under cGMP and supported by a DMF.

**Formulation Versatility** with  
Dimethyl Sulfoxide USP, Ph. Eur.

Gaylord Chemical Corporation  
CRS Booth # 513  
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**New! DMSO Formulation Database**

Solubility and Use Data now Available for:

- 100+ Active Pharmaceutical Ingredients
- 38 Pharmaceutical excipients
- Medical polymers
- Packaging Materials

Available now at Booth # 513

Pluronic®  
Tween 80®  
Propylene Glycol, USP/IEP  
Kollidon® 90 F  
Croscollon C-95  
Resomer RG502 H  
Klucel® GF  
Duro-TAK®  
Gelatin  
Cremophor® EL

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Dimethyl Sulfoxide USP, Ph. Eur.

A unique DMSO product ...with unusual properties.

- cGMP manufactured, ICH Q7 compliant
- Conforms to both USP and European Pharmacopoeia
- Supported by Type II DMF on file with FDA and Health Canada
- Low level of toxicity
- Effective solvent
- Formulation latitude

A highly pure form of DMSO, appropriate for Healthcare and Drug Delivery Applications.

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**Please Remember:**

Dimethyl Sulfoxide, USP, Ph. Eur.

- A highly pure form of DMSO, suitable for Healthcare Applications.
- An established and versatile product for use in many types of Drug Delivery and Controlled Release Technologies.
- Samples and New Formulation Data available from Gaylord Chemical Corporation

Thank You!

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Dimethyl Sulfoxide USP

Functionality, and versatility:

- Pharmaceutical Active Ingredient
- Delivery solvent for medical polymers
- API solvent for controlled release
- Excipient in Drug delivery applications
- Cryopreservation of cells and biological tissue
- FDA CDER Inactive Ingredient Database listed
- Suitable for topical, parenteral, and transdermal applications

Effective as a formulation solvent, an API, and an excipient to modify the controlled release properties of therapeutic agents.

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**Gaylord Chemical Company, L.L.C.**

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