

# PFLAUMER BROTHERS, INC

1008 Whitehead Road Extension  
Ewing, New Jersey 08638



**PFLAUMER**

PHONE: 609-883-4610

[www.pflaumer.com](http://www.pflaumer.com)

FAX: 609-883-1629

## **Teraflex® DME-200**

Non-Reactive Viscosity Reducer for Polyaspartic, Polyurea, Epoxies,  
and Polyurethane Coatings

### **TYPICAL CHARACTERISTICS**

Appearance	Clear Liquid
Odor	Sweet
Weight Per Gallon, Lbs @25°C	8.97
Flash Point	108°C (226°F) P-M CC
Viscosity @25°C, cps	3.31
Water Content, % Wt	<0.1
Solubility in Water, % Wt	4.3
Vapor Pressure @25°C, torr	0.04
Acid Content, mg KOH/g	<0.1

### **COMPATIBILITY**

Teraflex® DME-200 is a non-reactive dimethyl ester designed to reduce viscosity in high-solids coatings systems. It is uniquely formulated for two-component reactive formulations such as polyaspartics, urethanes, and epoxies where viscosity reduction is necessary to improve application properties. The product is compatible with alkyds, acrylics, polyesters, and other resin systems commonly used for coatings. Teraflex® DME-200 can also be used a diluent with other solvents such as alcohols, ketones, esters, and many hydrocarbons. Although not very soluble in water, it can be emulsified for use in water-based systems.

### **APPLICATIONS**

Teraflex® DME-200 is an essential tool for formulating high-solids coatings with low VOC. It's low vapor pressure can meet the VOC exemption criteria established by CARB for consumer and institutional products as well as the VOC exemption criteria established under Federal EPA 40 CFR 59.203 (F) 1 for consumer products. For this reason, Teraflex® DME-200 may not contribute to the VOC content of certain regulated coatings formulations.

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Teraflex® DME-200 exhibits excellent solubility in various resins and polymers, and its high flash point allows its use in most high-solids coatings systems without a flammability label. Having a low, ester-like odor, the product is also biodegradable and non-corrosive.

## FEATURES

Reduces viscosity in high-solids formulations

May not contribute to Volatile Organic Content of the system

Non-flammable

Low odor

Compatible with a wide variety of resins

Can be used with esters, ketones, and alcohol solvents as well as many hydrocarbons

Biodegradable

## PROUDUCT USES (For professional use only. Not intended for retail sales.)

Teraflex® DME-200 must be tested in both your laboratory and later in field trials before commercial use to determine the best formulation and suitability for use and application. Pflaumer's technical service personnel are available to answer formulating questions. Recommended starter formulations are available upon request for specific applications.

## OTHER PFLAUMER PRODUCTS FOR THE FORMULATOR

Pflaumer offers other products for formulating 2K coatings:

Terachem® 53-Colorants	37 Ready-to-use pigment dispersions for 2K polyurethanes and polyaspartics, including color packs for on-site use
Teracure® Aliphatic Polyisocyanates	Complete line of HDI-based trimer isocyanates
Teraspartic® Polyaspartic Amines	For slow, medium, and fast curing
Terachem® 53-2371	Aluminum Oxide Nano-Dispersion for 2K polyaspartics
Tallicin® 1500	Flow and leveling modifier
Tallicin® 4000	Bubble-release, agent and flow/leveling modifier for high-solids polyurethanes

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Tallicin® 4040	Bubble-release, flow and leveling modifier for solvent-free polyaspartics and polyurethanes
Tallicin® 4600	Stabilized Tin Catalyst for Polyurethanes

## **SAFETY, STORAGE, AND HANDLING**

Consult SDS before use. Store Teraflex® DME-200 in tightly sealed containers. Prevent contact with moisture and excess humidity. Keep storage temperatures at 0°C - 40°C (32°F - 104°F). Shelf life of Teraspartic® 277 is 24 months from date product is shipped by Pflaumer and then maintained in original closed containers and stored in proper storage conditions at 25°C (75°F). If repackaging, use containers that will prevent moisture contamination.

## **CONTAINER SIZES**

5 Gallon Pails (45 Lb/20.4 Kg)

55 Gallon Drums (485 Lb/220 Kg)

275 Gallon Totes (2425 Lb/1100 Kg)

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