

## EPALLOY™ 7200

### Modified Bisphenol A Epoxy Resin

#### DESCRIPTION

**EPALLOY™ 7200** is a chemically modified liquid diglycidyl ether of Bisphenol A, completely free of acrylates, designed for fast cure and low temperature applications. It is a light colored resin that is a viscous liquid at room temperature. Moderate heating will bring down the viscosity significantly.

**EPALLOY 7200** will react with all epoxy resin curing agents to produce cured products with excellent chemical resistance and adhesive, electrical, and mechanical properties. It is particularly recommended for use in coatings and adhesives that are to be used at low temperatures. For applications that required a lower viscosity, **EPALLOY 7200** is compatible with most all Epalloy Resins, Modifiers, and ERISYS™ reactive diluents. The addition of other resins, modifiers, and diluents to **EPALLOY 7200** will alter the cure time, pot life and cured properties of the resin.

#### APPLICATIONS

- ☐ Fast Cure, High Solids Primers and Coatings
- ☐ Coatings/Primers for Low Temp Applications
- ☐ Chemical Resistant Coatings
- ☐ Fast Cure Adhesives
- ☐ Accelerator for standard resin systems

#### TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 52°C, cps	2,000-4,000
EEW, g/eq	195-215
Gardner Color, max	2
Hydrolyzable Chloride, max %	0.5
Weight per Gallon, @ 25°C, lbs.	10 lbs./gal.

#### HEALTH & SAFETY PRECAUTIONS

**EPALLOY 7200** is not a primary skin irritant or sensitizer. However, as with any epoxy material, irritation can result from repeated or prolonged contact. The symptoms of this irritation may appear as a mild reddening or a more pronounced rash. It is, therefore, important to avoid skin contact where possible. Butyl rubber gloves, full eye protection and protective clothing are recommended.

Refer to **CVC Thermoset Specialties** Material Safety Data Sheet on **EPALLOY 7200** for additional safety & handling information. The MSDS is revised as new data becomes available.

#### PACKAGING & AVAILABILITY

**EPALLOY 7200** is available in 55 gal. non-returnable steel drums (500 lbs. net) and 5 gal. plastic pails (45 lbs. net). Drum inventory is available at most CVC regional warehouses. Check with your local sales representative for the shipping location nearest you.

#### STORAGE

**EPALLOY 7200** will tend to increase in viscosity over time. Avoid storage in warm areas and keep out of direct sunlight. For longer shelf life, store **EPALLOY 7200** at temperatures below 50°F. To process **EPALLOY 7200** do not heat above 150°F and avoid repeated heating.

## Epalloy™ 7200 – Properties

% Epalloy 7200 in Epalloy 7190	Tack Free Time (hrs.)		MEK Double Rubs <sup>1</sup>			Direct Impact (inches) <sup>1</sup>	Gel Time 100 gram mass (minutes)
			100	200	300		
	RT	4°C					
0	19	88	disintegrated	x	x	12	188
33	9	50	dulled/tacky	dulled/tacky	dulled/tacky	7	69
66	8	41	dulled	dulled	dulled	8	52
100	6	26	no effect	slight dulling	slight dulling	11	31

1- Cured 14 days at RT

Curing Agent = Versamid 125 at 1:1 Stoichiometry

Drawdowns made with a #50 wire wound rod using 93% solids formula in Xylene

Nominal 5 mil Dry Film Thickness

## **DISCLAIMER**

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained there from. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions, and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. CVC Thermoset Specialties shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond CVC's direct control. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

CVC Thermoset Specialties—844 N. Lenola Road/Moorestown, NJ 08057  
An Emerald Performance Materials Company

© Copyright 2006 Emerald Performance Materials LLC. 6/2006