

An Emerald Performance Materials Company**EPALLOY™ 5000****Epoxidized Hydrogenated Bisphenol A****CAS NO. 30583-72-3****DESCRIPTION**

EPALLOY 5000 is the diepoxide of the cycloaliphatic alcohol, hydrogenated Bisphenol A. Due to its saturated ring structure, this resin is expected to find utility in applications requiring resistance to ultraviolet light exposure. Formulations based on standard DGEBA resins usually do not perform well in this environment. Curing agent selection, to achieve optimum weathering resistance with EPALLOY 5000, should be done with great care. Products with improved chalking resistance and gloss retention can be formulated.

EPALLOY 5000 exhibits a significantly lower viscosity than DGEBA. Higher filler loadings can, therefore, be achieved, resulting in cost reduction and reduced shrinkage. The adhesion and chemical resistance characteristic of EPALLOY 5000 formulations are expected to be similar to those of standard DGEBA systems.

APPLICATIONS

Exterior coatings for:

- Tanks
- Concrete Dikes
- Steel Structures
- Rail Cars

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25°C, cps	1,300 – 2,500
Epoxide Equivalent Weight, g/eq	210 – 230
APHA Color, max	100
Residual Epichlorohydrin, max ppm	10
Hydrolyzable Chloride, max %	0.20
Weight per Gallon @ 25°C, lbs.	9.0 ± 0.1
Flash Point, COC, °C, (°F)	>115 (>240)

HEALTH & SAFETY PRECAUTIONS

EPALLOY 5000 is slightly irritating to the skin. As with all epoxy resins prolonged or repeated skin contact with uncured resin should be avoided. Rubber gloves and full eye protection are recommended. Protective clothing should be worn. Leather articles cannot be cleaned.

Refer to **CVC Thermoset Specialties** Material Safety Data Sheet on EPALLOY 5000 for additional safety & handling information. The MSDS is revised as new data becomes available.

PACKAGING & AVAILABILITY

EPALLOY 5000 is available in 55 gal. non-returnable steel drums (480 lbs. net) and 5 gal. plastic pails (45 lbs. net). Bulk shipments are available with adequate lead-time. Drum inventory is available at most CVC regional warehouses. Check with your local sales representative for the shipping location nearest you.

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 OF 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