



# Rhino™ R-1301S

## Extended Pot Life Epoxy Resin

### Data Sheet



ISO 9001:2000  
FM62236

#### DESCRIPTION:

Undiluted epoxy resin, based on Bis-A offering a longer pot life than standard resin types. Lower viscosity than standard resin. Low toxicity and odor. Specially designed for applications where additional pot life is useful. 100% solids, very clear DOT non-regulated.

#### SUGGESTED USES:

Filament winding, RTM, press molding, hand lay up laminating, vacuum bagging, tooling and pattern work, castings, adhesives.

#### PROPERTIES OF RHINO R-1301S EPOXY RESIN (NEAT):

Viscosity	9,000 – 10,500cps
Weight/Gal	9.7 – 9.8lbs
EEW	176 – 185
Color	1+ (max)

#### MIXING:

Use Rhino R-1301S epoxy at the recommended temperature range of 50° – 100°F. Use of Rhino R-1301S below 45°F requires special hardener selection. Consult with manufacturer for specific low temperature commendations. All standing water must be removed. Surfaces must be free of contaminants such as dirt, oil or grease. Mold surfaces must be waxed or otherwise released prior to application of epoxies. Proportion Rhino resin and hardener in accordance with instruction on hardener label. Rhino R-1301S is compatible with all Rhino curing agents. For use in RTM or filament winding process, consult manufacturer. Mix resin and hardener for 3 – 5 minutes being certain to scrape bottom and sides of mixing container. Mix no more material that may be applied in 10 – 15 minutes or before the expiration of pot life of the system, whichever is shorter.

#### CURING:

Keep application at the recommended use temperature for a minimum of 24 hours. Full properties are developed in 7 days at ambient temperatures. See hardener data for specific cure schedules and properties.

#### HOW SUPPLIED:

9lb Gallons, 45lb Pails, 500lb Drums and 2500lb Totes. FOB San Diego, CA.

#### SAFETY PRECAUTIONS:

**Health Considerations: Consult the Rhino Linings® Material Safety Data Sheets.**

This chemical system requires the use of proper safety equipment and procedures. Please follow the Rhino Linings® product MSDS and Safety Manual for detailed information and handling guidelines.

#### For Your Protection:

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. Because of numerous factors affecting results, **Rhino Linings Corporation makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Corporation hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Rhino Linings Corporation for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

©2009 Rhino Linings Corporation. All rights reserved.



**Rhino Linings Corporation**  
9151 Rehco Road, San Diego, CA 92121  
858-450-0441 • Fax 858-450-6881  
1-800-422-2603  
www.rhinolinings.com

Rhino Linings Australasia Pty Ltd ..... +61 7 5585 7000  
(Asia and Australia)  
Rhino Linings Canada, Inc ..... 1-866-447-1471  
Rhino Linings Europe ..... +49 6103 936474  
(Africa, Europe and Middle East)  
Rhino Linings Latin America..... +52 55 5632 0195  
(Mexico, Caribbean, Central and South America)

5513 080709

Resin - Rhino™ R-1301S