



PARALOID™ AU-1453

High-Solids Polyol For Acrylic/Isocyanate Urethane Coatings

Product Description

PARALOID AU-1453 high-solids acrylic polyol is designed for low VOC acrylic urethane coatings. Coatings based on PARALOID AU-1453 are particularly well suited for use where a long-lasting protective topcoat is desired. Applications include automobiles/trucks - parts and refinish applications, railcars, ships, and steel structures. Storage tanks, bridges, and other structures requiring heavy-duty maintenance protection are ideal candidates for PARALOID AU-1453 polyol. This product is a top performer for 3.5 lbs/gal VOC requirements and may be formulated to 2.8 lbs/gal as well. The unique balance of features and properties of this polymer include:

- Extremely low viscosity for its solids content
- Excellent gloss and color retention
- Excellent chemical and solvent resistance
- Fast drying and fast property development
- Long pot life
- Excellent flexibility and impact resistance

Typical Properties

These properties are typical but do not constitute specifications.

Non-Volatiles, Weight %	70
Viscosity, 25°C, cP	4500
Solvent	n-Butyl Acetate
Hydroxyl Equivalent Weight	
Solids Basis	460
As Supplied	660
Density, lbs./gal. as Supplied	8.9
Tg, °C	45
Molecular Weight, Wt. Avg.	10,000

Safe Handling Information

Dow Material Safety Data Sheets (MSDS) contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Under the OSHA Hazard Communication Standard, workers must have access to and understand MSDS on all hazardous substances to which they are exposed. Thus, it is important that you provide appropriate training and information to your employees and make sure they have available to them MSDS on any hazardous products in their workplace.

The Dow Chemical Company sends MSDS on non-OSHA-hazardous as well as OSHA-hazardous products to its customers upon initial shipment, including samples. If you do not have access to one of these MSDS, please contact your local Dow representative for an additional copy.

Updated MSDS are sent upon revision to all customers of record. In addition, MSDS are sent annually to all customers receiving products deemed hazardous under the Superfund Amendments and Reauthorization Act.

MSDS should be obtained from your suppliers of other materials recommended in this bulletin.

Additional safe handling information is available from Dow representatives.

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April 1999