



PARALOID™ AU-1033 Acrylic Polyol with Low Isocyanate Demand

For Coatings on Recreational Equipment and Fleet Refinishing

Introduction

PARALOID™ AU-1033 Acrylic Polyol with Low Isocyanate Demand is specifically designed to crosslink with isocyanates at ambient temperatures. Coatings based on these resins achieve fast lacquer-like dry properties with some trade-off in flexibility and impact resistance. Typical uses of these coatings are recreational equipment, fleet refinishing, and other areas not requiring a high degree of chemical resistance. PARALOID™ AU-1033 Acrylic Polyol is a very good choice for factory applications.

Features and Benefits

- Provides lacquer-like dry properties.
- Reduces formulation costs because of lower isocyanate demand.
- Maintains film integrity when exposed to corrosive chemicals.
- Exceptional durability, maintains gloss and color thereby reducing the need to repaint.

Typical Physical Properties¹

Property	Typical Values
Solids Content (150°C), %	50
Viscosity, cP (25°C)	6,000
Solvent, PA Acetate/Ethyl Benzene/ VM+P Naphtha	55/25/20
Hydroxyl Equivalent Weight Solids Basis	1,000
Density, lbs/gal, (25°C) As Supplied	8.5
Tg, °C	65
Molecular Weight, Wt. Avg.	35,000

1. These properties are typical but do not constitute specifications.

Safe Handling Information

PARALOID™ AU-1033 Acrylic Polyol is expected to be moderately toxic via oral, dermal or inhalation exposure and moderately irritating to the skin, eyes, and respiratory tract.

The product is highly flammable. Vapors can travel to a source of ignition and flash back. Heated material can form explosive vapors with air.

The hazards associated with this product are due to the solvents. It is important that Material Safety Data Sheets be reviewed to assure safe handling and storage.

Safe Handling Information (Cont.)

Isocyanates, including Desmodur N 75BA hardener, recommended for formulation use in this bulletin are known health hazards if not handled properly. We, therefore, recommend that you contact your supplier of isocyanates for information regarding appropriate health and safety precautions for these materials prior to using them in your facilities.

The Dow Chemical Company maintains Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products.

The Dow Chemical Company recommends that you obtain copies of our Material Safety Data Sheets on each of our products from your local Dow representative prior to its use in your facilities. We also suggest that you contact your supplier of other materials recommended for use with our products for appropriate health and safety precautions prior to their use.

Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

CAUTION! Keep combustible and/or flammable products and their vapors away from heat, sparks, flames and other sources of ignition including static discharge. Processing or operating at temperatures near or above product flashpoint may pose a fire hazard. Use appropriate grounding and bonding techniques to manage static discharge hazards.

CAUTION! Failure to maintain proper volume level when using immersion heaters can expose tank and solution to excessive heat resulting in a possible combustion hazard, particularly when plastic tanks are used.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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