



Product Data Sheet

PARALOID™ B-99N Solid Grade Thermoplastic Acrylic Resin

For Compatibility with Short and Medium Oil Alkyds

Introduction

PARALOID™ B-99N Solid Grade Thermoplastic Acrylic Resin is unique in its compatibility with short and medium oil alkyds. Blended with alkyds, it improves the drying speed, gasoline resistance, and durability characteristics of the alkyds. It also demonstrates excellent pigment dispersing properties and significantly upgrades the gloss of other acrylic resins and film formers when used as the grinding medium.

PARALOID™ B-99N Solid Grade Thermoplastic Acrylic Resin is recommended for conventional ball and sand mill grinding and in automotive refinishing.

Solubility

PARALOID™ B-99N Solid Grade Thermoplastic Acrylic Resin is soluble in a variety of solvents including toluene, xylene, MEK, and some esters and glycol ethers such as methyl acetate, ethyl acetate, propyl acetate, n-butyl acetate, and PM acetate. However, PARALOID™ B-99N Solid Grade Thermoplastic Acrylic Resin is insoluble in most alcohols and aliphatic solvents, such as isopropyl alcohol, heptane and mineral spirits.

Typical Physical Properties¹

Property	Typical Values
Physical Form	Pellets
Chemical Composition	MMA/BMA
Tg, °C	80
Molecular Weight, Wt. Avg.	15,000
Density, lbs/gal, (25°C)	9.6
Solubility Parameter	9.4
Ultimate Hardness of Clear Films KHN	14–15

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

Safe Handling Information

The Dow Chemical Company 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.

Safe Handling Information (Cont.)

The Dow Chemical Company sends MSDS on non-OSHA-hazardous as well as OSHA-hazardous products to its customers upon initial shipment (including samples) of all its products (whether or not they are considered OSHA-hazardous). 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. MSDS should be obtained from your suppliers of other materials recommended in this bulletin.

The Dow Chemical Company is a member of the American Chemistry Council and is committed to ACC's Responsible Care Program.

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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