



DOWSIL™ MQ-1650 ID Resin

Description

INCI Name: Isododecane (and) Trimethylsiloxysilicate (and) Polypropylsilsesquioxane

DOWSIL™ MQ-1650 ID Resin is a unique combination of MQ and T Propyl silicone resins dispersed in isododecane. It provides long wear with good sebum and water repellency, together with comfort of wear. Being supplied as a liquid, it is easy to formulate and features a broad compatibility with most cosmetic ingredients, including sunscreen actives.

Uses / Applications

- Color cosmetics
- Sun care

Benefits

Color cosmetics

- Film former
- Rub-off resistance
- Sebum/oil resistance
- Long lasting
- Compatible with organic ingredients
- Transfer resistance
- Wash-off resistance
- Comfort to wear
- Volatile carrier
- Enables clear systems

Sun care (Outside North America)

- Wash-off resistance
- Compatible with sunscreens
- Volatile carrier
- Enables clear systems

Physical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Result	Unit
Appearance	Clear, colorless liquid without excess particulate matter	
Viscosity @ 25°C (77°F)	30-300	cSt
Non-volatile content (NVC)	55-65	%
Flash point (closed)	45	°C
D4	< 0.1	%
D5	< 0.1	%
D6	< 0.1	%

Processing and Application Guidelines

This is a low viscosity fluid that is easily incorporated into a variety of personal care formulations.

Formulation Tips

When heat is used, the material should be processed in an enclosed vessel to prevent the isododecane volatilizing; the vessel should be inert at temperatures over 35°C.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

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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