

Topical ingredients for consumer healthcare



DuPont Topical Ingredients support your needs for innovation and regulatory compliance in consumer healthcare applications.

Consumers increasingly are demanding a higher quality of life and are taking charge of their health and well-being. Over-the-counter topical and medical device products to address scars, acne and other skin conditions are proliferating to meet their desire to feel and look good. Meanwhile, regulations on consumer healthcare products continue to evolve to ensure safety and minimize public risk.

DuPont Topical Ingredients offer a broad product range with the quality and regulatory documentation for consumer healthcare to help deliver the performance consumers expect and to support the regulatory compliance you need.

As a global leader in silicones with more than 70 years of experience in the healthcare industry — DuPont offers solutions, expertise, quality and compliance support for your topical applications.

Functional benefits

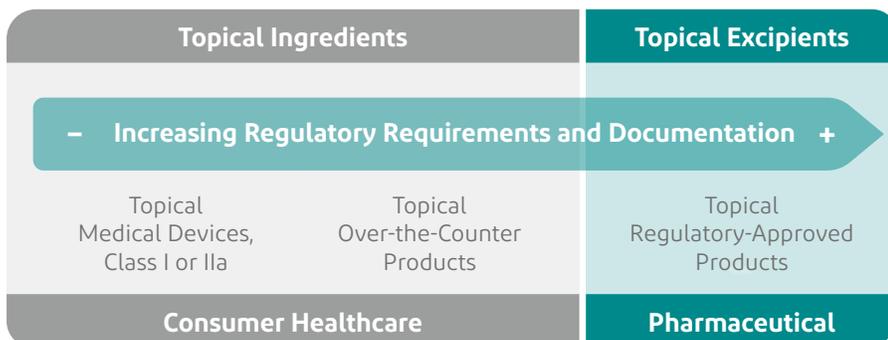
- Enable a variety of product forms (gels, sprays, lotions, creams, etc.)
- Enhanced spreading and sensory aesthetics
- Range from non-occlusive to semi-occlusive ingredients
- Long-lasting effects

Healthcare grade

- Manufactured at a defined site with healthcare fit-for-purpose audit
- Infrared identification on each batch
- Elemental impurity warranty according to ICH Q3D limits and based on USP <232> and <233>; tested biannually

Regulatory support

- Ingredient Regulatory Information
- Summary of Health Data or Opinion Letter
- Elemental Impurities



Topical Ingredients: Product Details

	INCI Name	Features	Function(s)
Fluids			
Dow Corning™ TI-1050 Fluid (1.5 cSt)	Dimethicone	High volatility; excellent spreading; non-occlusive; smooth, non-greasy feel	Carrier for spray; spreading agent
Dow Corning™ TI-1050 Fluid (5 and 10 cSt)	Dimethicone	Lubricity; water repellency; non-occlusive; smooth, tack-free feel on the skin	Spreading agent; lubricant; emollient
Dow Corning™ TI-1050 Fluid (50, 100, 200, 350 and 1,000 cSt)	Dimethicone	Non-occlusive; substantive; water repellency; non-greasy feel on the skin	Spreading agent; lubricant; emollient
Dow Corning™ TI-1050 Fluid (12,500, 30,000 and 100,000 cSt)	Dimethicone	Non-occlusive; water repellency; substantive on the skin	Film-forming agent; emollient; lubricant
Specialty Fluids			
Dow Corning™ TI-2011 SPE Specialty Fluid	PEG-12 Dimethicone	Foam builder; wetting agent; humectant	Solubilizer and compatibilizer for active ingredients; emollient; dispersant
Dow Corning™ TI-2021 AMS Specialty Fluid	Caprylyl Methicone	Moderate volatility; non-occlusive; reduced greasy and tacky feel of organic oils; smooth, light after-feel	Spreading agent; dispersant for hydrophobic powder; compatibilizer for silicone with organic oil
Blends			
Dow Corning™ TI-3011 Gum Blend	Dimethicone (and) Dimethiconol	Long-lasting; non-occlusive; smooth feel; increased wash-off resistance	Barrier film; film-forming agent; lubricant
Dow Corning™ TI-3021 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	Non-occlusive; substantive; improved sensory feel in formulations (smooth, non-greasy, non-tacky)	Rheology modifier; thickener for anhydrous gels and W/O emulsions
Wax			
Dow Corning™ TI-4021 Semi-Occlusive Wax	C30-45 Alkyldimethylsilyl Polypropylsilsequioxane	Semi-occlusive material; wash-off resistance; broad compatibility with silicone and organics	Rheology and texture modifier; structuring agent
Emulsifier			
Dow Corning™ TI-6021 W/O Formulation Aid	PEG-10 Dimethicone	Silicone emulsifier; 100% active	Versatile emulsifier for water-in-oil and water-in-silicone emulsions; hot or cold processing
Resins			
Dow Corning™ TI-7012 Solid Resin	Trimethylsiloxysilicate	Solventless; permeable film; excellent wash-off resistance; sebum resistance; long-lasting; non-occlusive	Film-former; permeable barrier film
Dow Corning™ TI-7021 Silicone Resin Blend	Dimethicone (and) Trimethylsiloxysilicate	Permeable film; excellent wash-off resistance; pourable liquid for ease of formulation; non-occlusive	Film-former

NOTE: INCI name is required for inactive ingredients disclosure per U.S. Consumer Healthcare Product Association Voluntary Codes and Guidelines.



To learn more about DuPont's
healthcare solutions visit:

www.dupont.com/healthcare.html

For country-level information, visit:

[www.dupont.com/corporate-functions/
our-company/global-locations.html](http://www.dupont.com/corporate-functions/our-company/global-locations.html)

Call us at these regional locations:

North America
+1 833-3-DUPONT
(833-338-7668)

Asia Pacific
+400 885 1888
+86 21 3862-2888

EMEA
+800-3876-6838
+001 571 209 2351

Latin America
+52 55 5722 1150
+01800 849 7514

DO NOT USE DUPONT MATERIALS IN MEDICAL APPLICATIONS INVOLVING **IMPLANTATION** IN THE HUMAN BODY OR CONTACT WITH INTERNAL BODY FLUIDS OR TISSUES UNLESS THE MATERIAL HAS BEEN PROVIDED FROM DUPONT UNDER A WRITTEN CONTRACT THAT IS CONSISTENT WITH THE DUPONT POLICY REGARDING MEDICAL APPLICATIONS AND EXPRESSLY ACKNOWLEDGES THE CONTEMPLATED USE.

DUPONT MAKES NO REPRESENTATION, PROMISE, EXPRESS WARRANTY OR IMPLIED WARRANTY CONCERNING THE SUITABILITY OF THESE MATERIALS FOR USE IN **IMPLANTATION** IN THE HUMAN BODY OR IN CONTACT WITH INTERNAL BODY FLUIDS OR TISSUES.

THE CONTENT OF DUPONT MATERIAL IS NOT CERTIFIED FOR IMPLANTS.

DuPont standard materials are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. DuPont has not performed clinical testing of these materials for implantation. DuPont will not provide to customers making implantable devices any notice concerning its materials, as specified under United States Code of Federal Regulations 21 CFR Section 820.50, or any other information necessary for medical device use of the materials under any other statute or FDA regulation. DuPont has neither sought, nor received, approval from the FDA for the use of these materials in implantation in the human body or in contact with internal body fluids or tissues.

DO NOT MAKE REFERENCE TO THE DUPONT NAME OR ANY DUPONT TRADEMARK IN ASSOCIATION WITH AN IMPLANTABLE MEDICAL DEVICE.

Do not use a DuPont trademark as the descriptive name of an implantable medical device.

ALL IMPLANTABLE MEDICAL DEVICES CARRY A RISK OF FAILURE AND ADVERSE CONSEQUENCES.

Regarding implantation of materials, you should rely upon the medical judgment of the physician, the medical device seller and the FDA. Do not rely upon DuPont. Examples of both harmful consequences and life-saving benefits from the implantation of various materials can be found in published medical articles. DuPont does not perform clinical medical studies of its standard materials, or their component materials, for use in implantable medical devices. Accordingly, DuPont cannot weigh the benefits against the risks for such a device and cannot offer a medical assessment of the safety or effectiveness of our material in such medical application.

Copyright © 2019 DuPont. The DuPont Oval Logo is a registered trademark of DuPont Specialty Products USA, LLC, a subsidiary of DowDuPont, Inc. or its affiliates. All rights reserved.