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We've got the right chemistry

ANDISIL BC 404

Dimethicone Copolyol

PRODUCT OVERVIEW

ANDISIL BC 404 DIMETHICONE COPOLYOL is a copolymer of polydimethylsiloxane and polyoxyalkylene ether. This combination provides this product with properties that are unique to this type of material.

PRODUCT FEATURES

- Aqueous and non-aqueous surface tensions of organo-modified silicones are lower than conventional organic surfactants
- Readily soluble and stable in cool water and lower alcohols
- Exhibits surfactant like properties
- Profoaming
- Synergistic with quaternary silicone
- Acts as a hydrator and de-tackifier
- Aesthetics
- Economical as an additive for use in preparing specifications (see table)

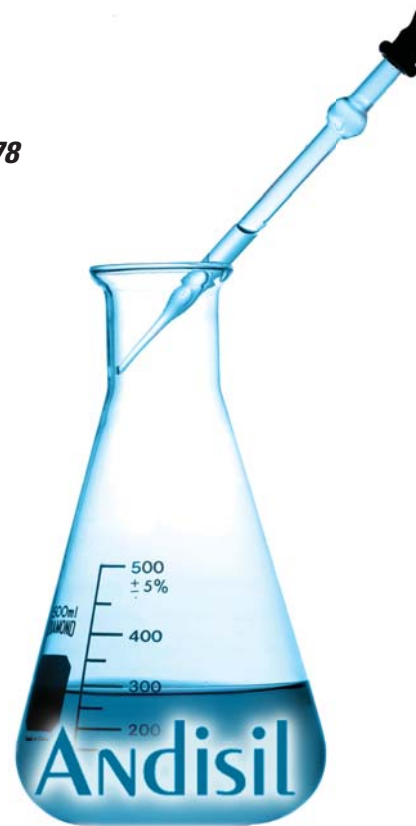
APPLICATIONS AND INSTRUCTION FOR USE

ANDISIL BC 404 DIMETHICONE COPOLYOL can be used in a wide range of personal care formulations; the amount required depends on the specific application. It can be diluted with cool water and lower alcohols. It should be added to cool water only, as it is insoluble in hot water.

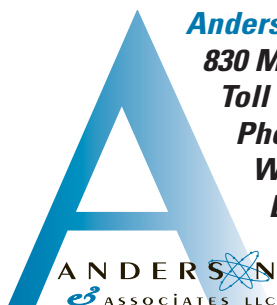
ANDISIL BC 404 DIMETHICONE COPOLYOL imparts lubricating and softness to personal care formulations. Due to its water solubility it can be used to formulate clear products. When used in shampoo formulations it exhibits proforming qualities; helping to stabilize foam levels.

The types of products that can be enhanced from the addition of **ANDISIL BC 404 DIMETHICONE COPOLYOL** include the following:

- | | |
|------------------------------------|------------------------|
| • Hair Sprays | • Mousses |
| • Hand Lotion Gels/Setting Lotions | • Antiperspirants |
| • Foundations | • Shaving Aids |
| • Roll-ons | • Shampoos |
| • Creams | • Conditioners |
| • Clear Gels | • Conditioning Shampoo |



Technical Data Sheet



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TYPICAL PROPERTIES OF ANDISIL BC 404 FLUID

SPECIFIC GRAVITY @ 25°C	~ 1.06
VISCOSITY	350 cSt
APPEARANCE	Clear Amber Liquid

**These properties are not intended to be used as specifications but only as suggested characteristics.*



Technical Data Sheet

STORAGE & SHELF LIFE

The shelf life, when the container is stored unopened and under proper conditions (in temperatures below 32°C - do not allow to freeze), is expected to be a minimum of six months from date of manufacture. After this time, please contact us for approval.

HANDLING

The **ANDISIL BC 404 SILICONE FLUID** may cause irritation if in contact with skin and eyes, so goggles and gloves should be worn when handling.

The **ANDISIL BC 404 SILICONE FLUID** is supplied in 475 pound net weight steel lined drums.

For additional information on the product, please contact your Sales Representative.

We believe that the information shown in this Product Bulletin to be an accurate description of the typical characteristics and/or uses of the product. Any suggestions of uses are not to be taken as an inducement to infringe any particular domestic or foreign patent. We recommend that the product be thoroughly tested for a specific application to determine the performance, efficacy and its safe handling and use.

