

Biosil Basics[®] Fluoro Guerbet 3.5

Ingredient Information

INCI Name: Dioctyldodecyl Fluoroheptyl Citrate
CAS# 214334-16-4
EINECS# 437-490-4
Japan Code# None
Japan Nomenclature: None

Specifications

Color	Clear to yellow (8 max)
Appearance	Clear to hazy oily liquid
Acid Value	10.0 max

Recommended use levels 0.50 – 10.00%

Attributes

- Excellent pigment dispersing
- Improves barrier function
- Increased slip
- Adds shine and conditioning
- Frizz control
- Good mold release

Applications

- Hair care
- Skin care
- Color Cosmetics
- Sun care

Biosil Basics[®] Fluoro Guerbet 3.5 is a highly emollient ester. Guerbet esters have low irritation potentials with low volatility and excellent lubricity. They also exhibit excellent stability as they remain liquid in extremely low temperatures. Guerbet esters have good color and oxidative stability at elevated temperatures and exhibit improved stability over unsaturated products in many applications.

As a halogenated ester, **Biosil Basics[®] Fluoro Guerbet 3.5**, is very hydrophobic and resistant to rinse off applications. It does not feel heavy on the skin and allows the skin to transpire providing more effective moisture retention of the skin. This material has twenty carbon atoms in the Guerbet portion of the molecule and the percent of fluoryl alcohol reacted is 3.5. **Biosil Basics[®] Fluoro Guerbet 3.5** has many properties beneficial to skin, hair and color cosmetic applications.

Biosil Basics[®] Fluoro Guerbet 3.5 can be easily incorporated into the oil phase of skin care formulations to provide improved barrier function. Increased slip is also a significant evident attribute when **Biosil Basics[®] Fluoro Guerbet 3.5** is added to formulations desiring this characteristic; namely shaving products. In hair care applications, **Biosil Basics[®] Fluoro Guerbet 3.5** provides shine, manageability and frizz control.

Biosil Basics[®] Fluoro Guerbet 3.5 can be used as a pigment dispersant. This ingredient also aids in providing good mold release for stick applications.

Storage and Handling

Before handling please read the Safety Data Sheet and container label for safe use, physical and health hazard information.

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