

HARMONIE™ SOFT FLUID

Product Description

Harmonie™ Sleek Ionic Gel is naturally derived, highly volatile emollient and solvent. It is an excellent alternative to cyclopentasiloxane (D4/D5) and has broad applicability across a wide range of personal care applications. Harmonie Soft Fluid is REACH compliant and has a Natural Origin Index of 0.70 according to ISO 16128.

INCI Name

C9-12 Alkane

Key Features

- 70% derived natural ingredient (ISO 16128)
- Readily biodegradable (OECD 301F)
- High spreading and volatile with a flash point of 61°C - 65°C

Typical Benefits

- Spreads easily in skincare, improving overall sensory with a light skin feel whilst reducing greasiness and tack.
- Brings high spreading and a light touch to sun care whilst reducing greasiness and whitening from commonly used UV filters.
- Light enough for leave-in haircare formulations, it boosts shine and manageability when used in hair oils.
- Aids spreading in color cosmetics, providing a soft, non-tacky skin feel.

Typical Physical Properties

Appearance	Clear colorless liquid
Density at 25°C (g/cm ³)	0.75
Viscosity at 25°C (cSt)	1.40
Refractive Index at 25°C	1.415 - 1.435
Flash Point (°C)	61 -65

Typical properties are average data and are not to be used as or to develop specifications.

Solubility

Raw Material	Solubility, 1:1
Silicone Gums	Soluble
Silicone Elastomers	Dispersible
Silicone Resins	Soluble
Jojoba Oil	Soluble
Almond Oil	Soluble
Caprylic / Capric Triglyceride	Soluble
Isopropyl Myristate	Soluble
Isohexadecane	Soluble
Isododecane	Soluble

Lab results. Actual results may vary. Lab results should not be relied upon to create any specifications.

Potential Applications

Potential Applications include:

- **Color cosmetics**
 - BB & CC creams
 - Foundations
 - Concealers
 - Primers
 - Lip products
 - Eye shadows
- **Skin care**
 - Day & night creams
 - Body lotions, creams and butters
 - Face serums and oils
 - Face masks
 - Cleansing creams, lotions and oils
- **Hair Care**
 - Hair serums & oils
 - Leave-on creams
 - Conditioners
- **Sun care**
 - Daily SPF
 - Sunscreen creams, lotions, oils and sprays

General Considerations for Use

Anhydrous systems

For liquid and semi-liquid formulations: Add Harmonie Soft Fluid with other ingredients at temperature < 60°C. Mix well with propeller mixing or by homogenization. Add pigments/particulates and mix well.

Stick-based formulations: Melt and mix the waxes according to melting points. Add Harmonie Soft Fluid with the premix at temperature <60°C. Mix well and cool.

Emulsion based systems

Pre-mix Harmonie Soft Fluid with oil phase. Add the pre-mix to the water phase at temperature <60°C under mixing. Mixing can be done by propeller or homogenization.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Storage

To ensure that the product quality is maintained, the container should be tightly sealed when not in use. Harmonie Soft Fluid should be stored between +10°C to +30°C, in tightly closed original packaging, in a dry place, protected from sunlight and from moisture.

Packaging

- 22kg in 30L metallic drum
- 165kg in 225L metallic barrel

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Customer Service Centers

For additional information, please contact our Customer Service Team

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