



## Technical Data Sheet (TDS)

### Liquid Paraffin Cosmetic Grade

#### Product Identification

**Product Name:** Liquid Paraffin Cosmetic Grade

#### Synonyms:

- Cosmetic White Oil
- Cosmetic Grade Mineral Oil
- White Mineral Oil
- Highly Refined Paraffinic Oil

**CAS Number:** 8042-47-5

**EC Number:** 232-455-8

**INCI Name:** Mineral Oil

**Appearance:** Clear, colorless, transparent oily liquid

## Product Description

Liquid Paraffin Cosmetic Grade is a highly refined, colorless, odorless, and chemically stable mineral oil produced through advanced refining processes. The product is specifically designed for cosmetic and personal care formulations where purity, safety, consistency, and sensory performance are critical.

Due to its excellent emollient properties, Liquid Paraffin Cosmetic Grade forms a protective barrier on the skin surface, helping reduce moisture loss and improve skin softness. Consequently, manufacturers widely use it in creams, lotions, baby oils, hair care products, lip care formulations, and various personal care applications.



## Typical Properties

Property	Test Method	Typical Value
Appearance	Visual	Clear, Bright & Transparent
Color (Saybolt)	ASTM D156	+30 Min
Odor	Visual	Practically Odorless
Density @ 20°C	ASTM D4052	0.830 – 0.880 g/cm <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D445	15 – 70 cSt*
Refractive Index @ 20°C	ASTM D1218	1.460 – 1.480
Flash Point (COC)	ASTM D92	> 160°C
Pour Point	ASTM D97	≤ -6°C
Acid Value	ASTM D974	Max 0.05 mg KOH/g
Sulfur Content	ASTM D4294	Max 10 ppm
Water Content	ASTM D6304	Max 0.05%
UV Absorbance	USP / Ph. Eur.	Pass
Polycyclic Aromatics	IP 346	Pass
Purity	Internal Specification	Highly Refined

\*Viscosity grade may vary according to customer requirements.

## Chemical Characteristics

Parameter	Typical Result
Hydrocarbon Type	Saturated Paraffinic Hydrocarbons
Solubility in Water	Insoluble
Solubility in Organic Solvents	Soluble
Chemical Stability	Excellent
Oxidation Resistance	High
Volatility	Very Low



## Key Features and Benefits

- Highly refined cosmetic-grade mineral oil
- Excellent skin-conditioning properties
- Superior emollient performance
- Colorless and odorless
- High purity and consistency
- Low irritation potential
- Excellent oxidative stability
- Smooth sensory feel
- Compatible with a wide range of cosmetic ingredients
- Suitable for sensitive skin formulations
- Easy incorporation into emulsions and oil-based products

## Applications

Liquid Paraffin Cosmetic Grade is widely used in:

### Skin Care Products

- Moisturizing creams
- Body lotions
- Face creams
- Cold creams
- Massage oils

### Hair Care Products

- Hair oils
- Hair conditioners
- Hair serums
- Scalp care products

### Baby Care Products

- Baby oils
- Baby lotions
- Protective skin products



## Lip Care Products

- Lip balms
- Lip treatments
- Protective lip formulations

## Personal Care Products

- Makeup removers
- Cleansing products
- Sunscreen formulations
- Cosmetic emulsions
- Personal hygiene products

## Regulatory & Cosmetic Information

Parameter	Status
INCI Name	Mineral Oil
CAS Number	8042-47-5
Cosmetic Use	Suitable
Animal Derived Components	None
GMO Content	None
BSE/TSE Risk	None
Heavy Metals	Controlled
Mineral Origin	Petroleum Derived
REACH Compliance*	Available Upon Request
Halal Status*	Available Upon Request
Kosher Status*	Available Upon Request

\*Subject to grade and certification availability.

## Storage and Handling

- Store in tightly closed original containers.



- Keep in a cool, dry, and well-ventilated area.
- Protect from direct sunlight and excessive heat.
- Avoid contamination during storage and handling.
- Keep containers properly sealed when not in use.

### Recommended Storage Temperature

**5°C to 40°C**

### Shelf Life

**Up to 5 years** under recommended storage conditions.

### Packaging Options

Available in:

- 20 L HDPE Pails
- 25 L Containers
- 200 L Steel Drums
- 1000 L IBC Tanks
- ISO Tanks for Bulk Supply

Custom packaging options may be available upon request.

### Safety Information

Please refer to the latest Safety Data Sheet (SDS) before handling the product.

The product should be used according to applicable cosmetic regulations and formulation requirements.