

Product Description:

- **INCI Name:** Paraffinum Liquidum
- **CAS No:** 8042-47-5
- **Physical Properties:** Colourless, Odorless Liquid
- **Country of Origin:** India
- **Certifications:** USP, Kosher, Vegan, Not Tested on Animals
- **Bulk Packaging:** 162kg drum *4 = 648kg/pallet, 830kg tote

Formulation Guidelines for Mineral Oil

Mineral oil is a widely used ingredient in cosmetic and personal care formulations due to its excellent emollient and moisturizing properties. When using mineral oil in formulations, here are some guidelines to consider:

1. **Concentration:** The recommended usage level of mineral oil can vary depending on the desired product and its intended use. Typically, mineral oil is used at concentrations ranging from 1% to 50% in formulations.
2. **Emollient and Occlusive Properties:** Mineral oil is known for its excellent emollient properties, which help to soften and smooth the skin. It forms a protective barrier on the skin's surface, reducing moisture loss and improving skin hydration. Incorporate mineral oil into formulations such as creams, lotions, moisturizers, and lip balms to enhance their emollient and occlusive effects.
3. **Compatibility:** Mineral oil is generally compatible with a wide range of cosmetic ingredients.
4. **Texture and Sensory Attributes:** Mineral oil has a lightweight, non-greasy texture that spreads easily on the skin. It provides a smooth and silky feel, contributing to the sensory experience of the formulation. Consider the sensory attributes you want to achieve in your formulation, such as spreadability, absorption rate, and non-greasy finish, when using mineral oil.
5. **Stability:** Mineral oil is highly stable and has a long shelf life. It is resistant to oxidation and does not go rancid easily. However, it is still important to protect mineral oil-containing formulations from excessive heat, light, and air exposure to maintain their quality and stability.
6. **Regulatory Considerations:** Ensure compliance with applicable regulations and guidelines for the use of mineral oil in your specific region and industry. Familiarize yourself with relevant regulations, labeling requirements, and any restrictions or limitations on its usage.
7. **Testing and Quality Control:** Before scaling up production or launching a product containing mineral oil, conduct stability testing and quality control checks to ensure the performance, stability, and safety of your formulation such as: viscosity measurements, stability tests under different conditions (temperature, pH), and microbial contamination tests.

