

Product Description:

- **INCI Name:** L-Menthol
- **CAS No:** 2216-51-5
- **Physical Properties:** Colourless/clear, Minty-cool odor, Solid Crystals
- **Country of Origin:** India
- **Certifications:** USP, Kosher, Vegan
- **Bulk Packaging:** 25kg drum *16 = 400kg/pallet

Formulation Guidelines for Menthol Crystals

Menthol crystals are a versatile ingredient commonly used in cosmetic and personal care formulations for their cooling, soothing, and refreshing properties. When using menthol crystals in formulations, here are some guidelines to consider:

1. **Concentration:** The recommended usage level of menthol crystals can vary depending on the desired product and its intended use. Typically, menthol crystals are used at concentrations ranging from 0.1% to 5% in formulations.
2. **Solubility:** Menthol crystals are soluble in various solvents, including alcohol, oils, and water. When incorporating menthol crystals into your formulation, it is important to dissolve them completely to ensure even distribution. Heating the solvent or using a solubilizer can help dissolve the crystals more effectively. Ensure thorough mixing to achieve uniform dispersion.
3. **Cooling and Soothing Effect:** Menthol crystals provide a cooling and refreshing sensation on the skin or scalp. Incorporate menthol crystals into formulations such as balms, lotions, creams, gels, shampoos, or conditioners to impart a refreshing sensation and provide a soothing effect.
4. **Sensory Attributes:** Menthol crystals have a characteristic minty aroma and can contribute to the scent of the formulation. Consider the sensory attributes you want to achieve in your formulation, such as cooling sensation, scent, or tingling effect, when using menthol crystals. It is important to consider the concentration of menthol crystals to avoid an overpowering or irritating effect.
5. **Compatibility:** Menthol crystals are generally compatible with a wide range of cosmetic ingredients.
6. **Regulatory Considerations:** Ensure compliance with applicable regulations and guidelines for the use of menthol crystals in your specific region and industry. Familiarize yourself with relevant regulations, labeling requirements, and any restrictions or limitations on their usage.
7. **Testing and Quality Control:** Before scaling up production or launching a product containing menthol crystals, 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.

