

## Menthol Crystals, USP

### Specification Sheet

**Description:** Menthol crystals (dl-menthol) are produced through mint essential oil (mentha arvensis) extraction, the oil is quick frozen and the menthol crystallizes out. The crystals are crystalline in form, more oblong, similar to rock crystals. Melting Point: 42-44 °C (107-111 °F). Phthalate-free. Purity 99.7%.

**CAS:** 2216-51-5, 89-78-1

**INCI Name:** Menthol

**Composition:** Menthol

**Appearance:** Clear to white crystals, cool minty fresh odor

**Benefits:**

- Refreshing and cooling effect on skin
- Strong fresh minty scent of peppermint
- Can be irritating to skin and eyes

**Use:** Use sparingly due to intense scent, typical use level 0.2-10% depending on application. Add to oil phase or down cool phase of creams 120oF/50oC. For external use only.

**Applications:** Balms, salves, creams, foot products and scalp treatments, cooling gels and cold remedies. Insect repellents.

**Solubility:** Soluble in alcohol and oils

**Storage:** Store in a closed container at a dry place at room temperature.

**Country of Origin:** China

**Raw material source:** Peppermint oil

**Manufacture:** Menthol crystals are obtained by freezing peppermint oil. The resultant crystals of menthol are then separated by filtration.

**Animal Testing:** Not animal tested



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**GMO:** GMO-free

**Vegan:** Does not contain animal-derived components.

**HS Code:** 2906110000

**Regulatory Information:** Menthol is registered as an OTC skin protectant drug with the FDA. This means that if you want to sell a finished product containing menthol and you make a skin protectant claim (incl. insect bites and insect stings), menthol must then be listed under 'Active Ingredients' on the label. Also, your facility and your product must be registered with the FDA and you must operate under cGMP guidelines. However, if no skin protectant drug claims are made on the label, menthol is not considered a OTC drug and no registration is needed.