

# Technical Data Sheet

## Menthyl Lactate

### Description

Menthyl lactate is the ester (chemical derivative) of menthol and lactic acid used primarily as a masking or fragrant agent in skin care and hair care. Much like menthol, it exhibits a minty smell and prompts a cooling effect when applied topically.

### Product identification

Synonyms: L-Menthyl Lactate

CAS No.: 59259-38-0

EC No.: 261-678-3

INCI name: MENTHYL LACTATE

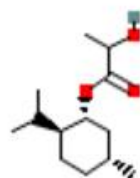
Empirical formula:  $C_{13}H_{24}O_3$

Molecular mass: 228.3 g/mol

Shelf life: 3 years

### Specifications

|               |                                   |
|---------------|-----------------------------------|
| Appearance    | white crystalline solid           |
| Odor          | weak crown daisy or tobacco aroma |
| Purity        | $\geq 98.0\%$                     |
| Acid value    | $\leq 2.0$                        |
| Melting Point | $\geq 40.0^{\circ}\text{C}$       |



### Stability and storage

Stable under normal temperatures and pressures.

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### Uses

It is used in minty compounds for various purposes such as toothpaste, chewing gum and tobacco; it is also used in confections, beverages, and as a peppermint booster in oral care products; as a soothing, cooling agent for skin.