

# ProductData



## Wax - Microcrystalline EU Approved (193, 198)



Authorized Distributor:

### Description:

EU Microcrystalline Waxes are designed to meet the new European Union mineral hydrocarbon rules. Microcrystalline waxes chemical composition variations occur from the petroleum feed stock and the refineries methods of wax separation. Generally

microcrystalline waxes are amorphous-like in appearance, have greater flexibility and higher tensile strength than paraffin, more adhesion than paraffin, and typically have a higher melting point than paraffin.

Note: Specific product application recommendations are available on request.

### TYPICAL PROPERTIES:

#### Composition:

The molecular weights of commercial micros are between 480 - 700 g/m with the average molecule containing 34 - 50 carbon atoms. EU Microcrystalline 193/198 has a minimum carbon chain length distribution > C-25 and a minimum average molecular weight of > 600 g/m. Chemically the largest proportions of the molecules are methyl and ethyl branched chain hydrocarbons with minor amounts of straight-chain molecules.

#### Chemical Properties:

<b>Melting Point:</b> .....	180 - 199°F	<b>Flash Point:</b>	> 425 °F
<b>Penetration @25°C:</b>	4 - 15	<b>Saponification Value:</b>	0 - 2
<b>Specific Gravity:</b>	0.90 - 0.94	<b>Acid Value:</b>	0 - 0.2
<b>Viscosity @210°F:</b>	> 11 cps	<b>Iodine Number:</b>	0 - 1.5

#### Compatibility:

Microcrystalline Waxes are compatible in all proportions with mineral hydrocarbon waxes and their oils. Depending on the concentrations of microcrystalline wax used, it will be compatible with most vegetable waxes and their oils, animal waxes, synthetic waxes, ester waxes and their oils as well as many resins.

#### Uses:

Ointments, Antiperspirants, Lipsticks, Lipbalms, Makeups, Mascaras, Sunscreens and Lubricants.

#### Toxicology:

Non-toxic, and non-irritating (skin & eyes).

#### Regulatory Information:

**FDA Approved;** NF Pharmacopeia & 21 CFR 172.886 (safe in or on food).

**EINECS#:** 264-038-1

**CTFA/INCI Name:** Microcrystalline wax.

**CAS#:** 63231-60-7

**TSCA**

**Japanese Name/Source:** Microcrystalline Wax / JSCI-II-460 & JACT-3 (3) 1984

Information presented herein is believed to be accurate and reliable but is not intended to meet any specification and does not imply any guarantee or warranty by Brenntag Specialties, Inc. (BSI). For more information and assistance, contact Technical Services at 1-800-732-0562.

• Brenntag Specialties, Inc. • 1000 Coolidge St. • South Plainfield, NJ 07080 •

