



Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

TECHNICAL DATA SHEET

info@deffner-johann.de | +49 9723 9350-0

Die in diesem Produktdatenblatt genannten Spezifikationen dienen nur zur Produktbeschreibung und beziehen sich auf den Zeitpunkt unmittelbar nach der Produktion bzw. Import des Produktes. Sie entsprechen den Angaben des Herstellers. Eine rechtsverbindliche Zusicherung bestimmter Eigenschaften oder der Eignung für einen bestimmten Einsatzzweck kann hieraus nicht abgeleitet werden. Durch unsachgemäßen Transport und / oder unsachgemäße Lagerung können sich Änderungen ergeben. Die Angaben in diesem Produktdatenblatt entbinden den Verarbeiter nicht von eigener Prüfung der Eigenschaften des Produktes und dessen Eignung für die vorgesehene Verwendung.

TECHNICAL DATA SHEET**ver.1/21****MENTHOL VBM
VOLATIL BINDING MEDIA**

The acronym VBM means "Volatile" Binding Media "in general are waxy or crystalline solids that sublimate (pass directly from a solid to a vapor phase) at room temperature. Substitute for discontinued Ciclododecane.

It is a terpene from the methane family and has an OH group in C-3. It has a melting point of 43-45°C and a boiling point of 212°C. It is not readily soluble in water (0.400 mg/l), however it is readily soluble in many organic solvents such as alcohols, ethers, etc.

The most outstanding property is its extremely good film forming ability.

Compared to the CYCLODODECAN:

It has a faster sublimation rate

It has a lower melting point

In the molten state it does not solidify quickly and is easier to apply by brush.

It forms a dense and uniform film which is better as a release agent or filler for making molds with silicone rubber.

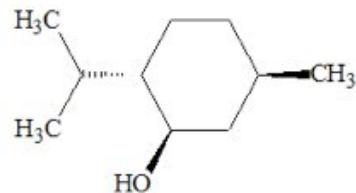
It is soluble in polar solvents.

Application

It is used as a protection for objects during restoration and their transport. Thanks to its good bonding ability, it is particularly suitable for laminations. A film thickness of about 500 µm is sufficient to guarantee stability for about two weeks. It is also used to protect water-sensitive surfaces or for partial cleaning, etc. It can be applied in the molten state by means of a hot spraying device.

Toxicity / flammability

The product is considered neither toxic nor flammable. Slightly irritating.

**Specification of parameters**

| | |
|----------------------|--|
| Appearance: | solid colorless crystalline |
| Molecular formula: | C ₁₀ H ₂₀ O |
| Solubility in water: | Practically insoluble |
| Solubility solvents: | Very soluble in alcohol, in ether and light petroleum, in oils and fats. |
| Melting range: | 43 - 45°C |
| Flash point: | 93°C |
| Solutions: | Clear and colorless solutions |
| Sublimation: | 0.04 mm/24h |
| Residual: | max. 0.05% (after complete evaporation) |