

TECHNICAL DATA SHEET

1. NAME OF PRODUCT

HS-LACQUER VIKTOR 81

universal heat-seal lacquer for PET, paper/PET, paper/metPET films and aluminium foils

2. PRODUCER

VIKTOR Lacquers Ltd., CZECH REPUBLIC, CZ-592 31 Nove Mesto na Morave, U Jatek 1551, tel.: +420 566 618 550
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3. PURPOSE, APPLICATION AND RECOMMENDATION

Universal heat-seal lacquer for PET, paper/PET, paper/metPET films and aluminium foils. Lacquer is not suitable for packaging of products with content of fat more than 35%. Chlorine free.

<i>Applicable for sealing of:</i>	PP, PS, PE, APET, PVDC, PVC, PLA
<i>Recommended amount for coating:</i>	5 - 7 g/m ² of dry film
<i>Recommended printing technology:</i>	semiflexo or gravure printing
<i>Recommended viscosity for application:</i>	15 – 30 s (Ø4 Ford cup / 20°C)
<i>Recommended thinning and cleaning:</i>	ethylacetate
<i>Recommended drying conditions:</i>	130 - 170°C / 6 - 10 sec. The ratio between the velocity of the machine / temperature is set according to arrange of factors (such as quantity of the lacquer applied, temperature-time curve of drying zones, concentration of vapours, streaming speed, air humidity etc.). For this reason we recommend testing and measuring of the content of the residual solvents.
<i>Mixing:</i>	lacquer has to be mixed well before every application and must be keep homogenous during the work!
<i>Shelf life and warranty:</i>	9 months – storage directions to be followed

Its rheological properties and volatility can be partly altered according the customer's needs.

4. COMPOSITION

<i>Binding agents:</i>	thermoplastic elastomers and synthetic resins
<i>Solvents:</i>	isopropylacetate, ethylacetate, cyclohexane
<i>Additives:</i>	antiblocking agents, fillers

5. PHYSICAL PROPERTIES WITH REGARD TO APPLICATION

<i>State and color:</i>	milky liquid
<i>Solid content:</i>	34 ± 2 wt.% (105°C / 1h)
<i>Viscosity:</i>	65 - 85 s (Ø4 Ford cup / 20°C)
<i>Specific weight:</i>	0,96 ± 0,03 g / ml (pycnometer / 20°C)

Other physical and chemical parameters are incorporated into a document called "Material Safety Data Sheet".

6. HYGIENIC AND SAFETY INSTRUCTION

Hygienic properties of the lacquer conform with legal requirements of the Regulation (EC) No 1935/2004 of the European parliament and of the council on materials and articles intended to come into contact with food and Commission regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food. Highly flammable and irritable liquid, risk of ignition and explosion of vapours. Protect against naked fire, electric discharges, reducing and oxidizing agents, etc. The substance irritates eyes, mucous membranes and respiratory organs. Additional information is included in the "Material Safety Data Sheet" and the „Declaration of Conformity“ documents.

7. HANDLING AND STORAGE

Stick to the procedures that are usual in handling chemicals. Proceed in conformity with the regulations applicable to flammable fluids. Make sure there is adequate ventilation. Avoid contact with eyes and skin. Take measures aimed to eliminate electrostatic discharges. Wear means of personal protection and an antistatic work clothing. Store in cool, dry and properly ventilated premises in conformity with the flammable fluids. For protection against the air humidity – store in closed packaging. Additional information is included in the "Material Safety Data Sheet".

The information included in this "Technical Sheet" reflects our knowledge regarding the product by the time of issuance of this document. The date specified herein cannot be applied to other substances. More information on the www.viktorlac.com. VIKTOR Lacquers Ltd. bears no responsibility for damage done by misuse of the product. To prevent the problem we recommend prior testing of the individual applications.