



## TECHNICAL DATA SHEET

### NewPro Nano NC H9 / VP12 / VP16 / VP 20

#### CONTACT ANGLE (HYDROPHOBIA)

between 105° and 110° depending on the quality sector

#### NON-STICK PROPERTIES

H9: basic protection

VP12: industrial standard, excellent non-stick properties

VP16: Premium sector, excellent non-stick properties

VP20: Premium sector, highest performance

#### ABRASION RESISTANCE ON GLASS

Very abrasion resistant, abrasion resistance depends on the substrate

#### PHYSICAL AND CHEMICAL CHARACTERISTICS:

- Form: liquid
- Color: colorless
- Odor: alcoholic
- Boiling point: 78°C
- Flash point: ~ 12 °C
- Ignition temperature: 425°C
- Danger of explosion: Formation of explosive air/vapor mixtures are possible
- Explosion limits: lower > 3,5 Vol%
- upper 28 Vol%
- Vapor pressure (20 °C): 59 hPa
- Density (20 °C): ~0,8 g/cm<sup>3</sup>
- Solubility in water (20 °C): soluble
- pH value (500g/l) (20 °C): ~2
- Viscosity dynamic (20 °C): ~2 mPas

#### UV-RESISTANCE:

No changing of contact angle after 250 hours with the UV-machine Uvaspot 1000 (UV-light from 295 nm, power 1000 Watt, distance 32 cm)



## **MARKETING RECOMMENDATION:**

<b>NewPro Nano NC H9</b>	End customer sector
<b>NewPro Nano NC VP12</b>	Industrial sector
<b>NewPro Nano NC VP16</b>	Premium sector
<b>NewPro Nano NC VP20</b>	Premium sector

## **APPLICATION**

Polishing, Please have a look at training catalogue chapter “manual/industrial application” or video documentation of Nano Care

## **FOOD SAFETY (INERT)**

Yes

## **OIL REPELLENCY (OLEOPHOBIC)**

Yes

## **CHEMICAL REISITANCE**

- pH-Value 1 to 13
- solvent resistant
- resistant to chemical cleaners
- detergent resistant