

## Ketonic Resin HUK-0014

### Description:

The ketonic resin HUK-0014 is a very efficient modifier for optimizing mechanical and optical properties of inks and coatings. It helps improving film hardness, scratch resistance, adhesion and gloss. Pigments are stabilized and thus colour strength can be increased.

HUK-0014 is soluble in a wide range of alcohols, ketone solvents and in Phenoxyethanol. The material shows excellent compatibility with other binders like NC, CAP, CAB, PVB, PVC, Polyamide, maleic resins, epoxy resins or alkyds (short & medium oil).

### Application:

HUK-0014 can be used in solvent based flexographic and gravure printing inks, ball point pen inks, wood coatings, plastic coatings or nail varnishes.

Due to its high average molecular weight and very low content of residual monomers this material is particularly suitable for the use in food packaging applications.

### Use recommendation:

Recommended addition level is 5 – 10 % (by weight).

Prior to addition material should be dissolved in corresponding solvent.

Material can be used in grinding or in let-down step.

### Typical properties:

Property	Typical value
Appearance	Pale yellowish lumps
Viscosity @ 30 °C, FCB, 50 % in Ethanol	28 - 30
Acid value [mg KOH/g]	0 – 1
Hydroxyl value [mg KOH/g]	230 – 260
Softening point (capillary method) [°C]	108 - 118

### Storage:

It is strictly recommended to store the material under dry conditions and to process it quickly once the bag is opened. Typical storage temperature should be between 15 – 30 °C. The product should be stored under the exclusion of air, light and moisture.

### Shelf Life:

The product has a shelf life of at least 12 months from the date of manufacture.

### Packaging:

25 kg. Paper bags with HDPE liner.

This Technical Data Sheet can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Because there are many factors under the control of the user which may affect processing or application/use, it is necessary for the user to carry out appropriate tests to determine whether the product is technically and safely suitable for the particular purpose, prior to use. No warranties of any kind, either expressed or implied, are made regarding the product here described. We assume no liability for correctness.