



Product Data Sheet

Trade name: Colophony (Rosin)

Composition

Colophony is obtained by fusion and purification of natural pine tree resin. Its presentation state is in the form of a glassy solid.

Physical properties

Aspect: Crystalline solid

Colour (Gardner scale): 4-5

Smell: Pine tree

Fusion point: 66.5-93.4°C

Initial boiling point: 265°C

Flash point: 208.1°C

Flammability (solid, gas): Non flammable

Vapour pressure: 4.8·10⁻⁸ mbar – 1.41 mbar (components)

Relative density: 1.034g/cm³ (20°C)

Solubility: 0.9 mg/L (20°C.)

Partition coefficient n-octanol/water: 0.74 a 6.5 (components)

Autoignition temperature: 335.5°C a >400°C

Explosive properties: Non explosive

Oxidising properties: Non oxidizing

Cristallisation: + than 1.5 hours

A.I. (Acidity index): 155-170 mg KOH/g

Viscosity: 850-900 cps

Softening point: 70°C - 80°C

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Fields of application

Raw material for making fragrances, paint strippers, colouring agents, emulsifying agents, adhesives, paper, medicines, printing inks, sport material...

Safety classification

Colophony has been classified according to the Directive 67/548 as R43: Possibility of sensitisation on contact with skin.

According to the new classification CLP, 1272/2008 CE, the produce is classified as Sensitive to skin 1, (H317: Can produce an allergic skin reaction)

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