



## ABIETA™ DR 835 A

*Produced in Gersthofen, Germany*

ABIETA™ DR 835 A is a dehydrogenated/partially hydrogenated Rosin. It is characterized by the absence of Abietic acid and a content of Dehydroabietic acid of at least 52 % (w/w). The procedure reduces distinctly the high susceptibility of the rosins to oxidation and the associated deterioration in their colour.

### Regulations

Instructions relevant to safety are defined in the safety data sheet respectively in the valid version according to the EU rules. ABIETA™ DR 835 A is not liable to German regulations on dangerous substances (GefStoffV) and is accordingly not to be labelled with R- and S-phrases.

### Product Properties

ABIETA™ DR 835 A is a pale, highly colour-stable resin. Its average oxygen absorption is less than 0.2 % (w/w) over a period of 4 weeks. The material may, however, deteriorate slightly in colour if stored for a prolonged period exposed to air. Molten rosin at higher temperatures should be blanketed with an inert gas to prevent any possibility of oxidation by atmospheric oxygen.

ABIETA™ DR 835 A is practically insoluble in water (<10 mg/l, 20 °C), but has unlimited solubility in all common organic solvents.

### Standard Delivery Specification

<u>characteristic</u>	<u>unit</u>	<u>value</u>	<u>method</u>
Acid Number	mg KOH/g	150 - 163	ASTM D 803
Saponification Number	mg KOH/g	152 – 169	ASTM D 464
Colour	US-Rosin Grade	min. WW	ASTM D 509
Drop point	°C	min. 85	Ubbelohde
Dehydroabietic Acid	% (w/w)	min. 52	Arizona Chemical UV method
Abietic Acid	% (w/w)	0	Arizona Chemical UV method
Iron	mg/kg	max. 5	ASTM D 1064
Iodine value	g/100 g	85 – 115	Kaufmann
Unsaponifiable matter	% (w/w)	max. 13	ASTM D 1065

Arizona Chemical laboratory methods are available on request.



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## **Application**

ABIETA™ DR 835 A can be used for the manufacture of emulsifiers for the polymerization process and for pigment coating.

ABIETA™ DR 835 A is further suitable for the formulation of solvent based adhesives and hotmelts as well as in the manufacture of adhesives tapes, rubber products and care products.

Other applications are lacquers, soldering fluxes, sealants, paper sizing agents, marine coatings and the production of esters and other rosin derivatives.

## **Dispatch and Storage**

ABIETA™ DR 835 A is normally supplied in pastilled form in PE bags containing 25 kg net. The material should be kept away from heat sources and radiant heat. The maximum storage temperature is 30 °C. At temperatures above 20 °C pallets should not be stored more than two high.

Particularly during the summertime it is inevitable that the pastils will stick to each other. Tapping the bags normally restores the free-flowing properties. On request the product can also be supplied in 225 kg drums en bloc. Larger quantities can be supplied in heated road tankers or containers, loaded with a product temperature of at least 180 °C. Since the rosins tend to crystallize at temperatures between 110 °C and 140 °C, the discharge temperature should be at least 160 °C.

## **Shelf life**

The shelf life of ABIETA™ DR 835 A appropriately stored is at least 1 year. Thereafter, reapproving of the material by Arizona Chemical is recommended.



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