

BIOSIRCLE SPS AK 9000

DATA SHEET
RS/BIOCIRCLE/072401/1

Description

Bio Saturated polyester resin dissolved in bio solvents

Applications

BIOSIRCLE® SPS AK 9000 is suitable to prepare coil coating paints with hardeners based on blocked isocyanates or melaminic or benzoguanaminic resins. The amount of bio sources is more than 70%, in combination with a Bio solvents can achieved a very high level of bio source in the paint

The paint made with this resin shows:

- Good flow and appearance
- Very good intercoating adhesion
- Good hardness
- Good t-bend test
- Good UV-resistance (2000 h)

Std formulation:

Resin, TiO₂, HHMA CYMEL 303 LF, Acid CYCAT 4045, Bio solvent phase

Sales specification

Property	Value	Unit	Method
Appearance	Clear liquid		SIR 10010
Acid number (on solid)	4 - 10	mg KOH/g.	SIR 10328
Viscosity at 25°C (Noury)	3500 ... 5000	mPa.s	SIR 10647
Non volatile content (1 g. for 30 min. at 180°C)	64 ... 66	%	SIR 10553
Colour	2 max.	Gardner unit	ASTM D 1544

Typical properties

Property	Value	Unit	Method
Aspect	Clear liquid Slightly yellow		SIR 10010
Hydroxyl number on solid	70 ca	mg KOH/g.	calculated
Solvents:			
Bio butyl glycol	25	%	calculated
Bio cylene	10		
Glass transition temperature T _g	18 ca	°C	ASTM D 3418

BIOSIRCLE® is a SIR INDUSTRIALE registered trade mark.

N.B.: The data given in this brochure do not constitute characteristic properties of the single product.

To our best knowledge, the information contained in this brochure is accurate and corresponds to the truth.

However, any recommendations or suggestions are provided without any guarantee, since the conditions in which the products are used are not under our control. Furthermore, nothing contained in this brochure shall be interpreted as a recommendation for using the product in violation of any patents relating to the material and their uses.

Supply Form

Product is available in a 225 kg lined drum, 1000 kg container and bulk.

Storage stability

The product should be stored in the original containers, in dry ambient, protected against light and direct sun-rays at temperature ranging from 5 to 30°C. In these conditions, it is stable for one year.

Safety

For safety and handling please, refer to safety data sheet of product.

BIOSIRCLE[®] is a SIR INDUSTRIALE registered trade mark.

N.B.: The data given in this brochure do not constitute characteristic properties of the single product.

To our best knowledge, the information contained in this brochure is accurate and corresponds to the truth.

However, any recommendations or suggestions are provided without any guarantee, since the conditions in which the products are used are not under our control. Furthermore, nothing contained in this brochure shall be interpreted as a recommendation for using the product in violation of any patents relating to the material and their uses.