

# BIOSIRCLE SPS AK8000

DATA SHEET  
RS/BIOCIRCLE/072401/1

## Description

Bio Saturated polyester resin dissolved in bio solvents

## Applications

BIOSIRCLE® SPS AK8000 is suitable to prepare can / coil coating primer with hardeners based on blocked isocyanates or melaminic or benzoguanaminic resins.

The amount of bio sources is more than 60%, in combination with a bio solvents can achieved a very high level of bio source in the paint

The primer made with this resin shows:

- Very good adhesion on substrate
- Good hardness
- Good t-bend test
- Very good intercoating adhesion

The compatibility with a standard resin is maintained

## Std formulation:

Resin, TiO<sub>2</sub>, HHMA CYMEL 303 LF, Acid CYCAT 4045, Bio solvent phase

## Sales specification

Property	Value	Unit	Method
Acid number (on solid)	5 Max	mg KOH/g.	SIR 10328
Viscosity at 25°C (Noury)	3000 ... 4600	mPa.s	SIR 10647
Non volatile content (1 g. for 30 min. at 180°C)	60 ... 62	%	SIR 10553
Colour	3 max.	Gardner unit	ASTM D 1544

## Typical properties

Property	Value	Unit	Method
Aspect	Clear / slightly opalescent liquid		SIR 10010
Hydroxyl number on solid	35 ca	mg KOH/g.	calculated
Solvents:			
Bio butyl glycol	27	%	calculated
Bio cylene	13		
Glass transition temperature Tg	35 ca	°C	ASTM D 3418

## Supply Form

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.

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.

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