

# Product data

# Uramex BF891 S2B

**n-Butylated benzoguanamine formaldehyde resin, non plasticised**

**Delivery form**  
77% in Solvesso 150<sup>1)</sup>/ n-butanol = 2/1

**Applications**

- Can coating interior and exterior

**Principal properties**

- Sterilisation resistance
- Mechanical properties
- Low/medium reactivity
- Low free formaldehyde content

After high temperature cure (> 180°C), the flexibility properties of Uramex BF891 remain better than those of Uramex BF892.

Based on FDA approved raw materials according ° 175.300.

**Dilutability**

Xylene	complete
n-Butyl acetate	complete
Methyl ethyl ketone	complete
n-Butanol	complete

**Compatibility**

Uralac AC654	complete
Uralac AD543	complete
Uralac AK424	complete
Uralac AN600, AN621,	complete
Uralac SN808, SN811, SN817,	complete
SN825, SN827	
Uramex MF863, MF822, U465	complete
Epikote 834, 1001 <sup>2)</sup>	complete

**Recommendations on formulation and use**

In can coatings, optimum coating properties can be obtained if the binder/benzoguanamine ratios range from 90/10 till 60/40.

**Product specifications**

Property	Range	Unit	TM
Viscosity, Emila	100 - 180	dPa.s	2000
Colour, APHA	0 - 100	-	2017
Solids content	75 - 79	%	2022
Appearance	clear	-	2265
Acid value, as such	0 - 2	mg KOH/g	2401

**Other product data**

Property	Value	Unit	TM
Free formaldehyde	0.15	%	ISO 11402
Density, 23°C	appr. 1094	kg/m <sup>3</sup>	2160
Flash point	appr. 47.5	°C	2800

**Storage guidelines**

The resin should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided.

**Shelf life**

Under the above mentioned storage conditions the shelf life of the resin will be 9 months ex works.

**Material safety**

A material safety data sheet of the products is available on request.

**Test methods**

Test methods (TM) referred to in the tables are available on request.

- 1) Exxon Chemicals
- 2) Shell Chemie BV



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### Typical starting formulation for: General line can coating

Component	Weight
Uramex BF891 S2B	57.0
Uralac SN808 S2G3-50	406.0
Kronos 2310	1) 321.0
Epikote 834 (75% in butyl diglycol)	2) 32.0
CAB 551-0.2 (20% in ethyl glycol acetate)	3) 32.0
Tint-Ayd UL 20-12	4) 3.2
Thinner*	148.8
	1000.0

### \*Thinner (ratio):

Solvesso 150 <sup>3)</sup>	50
Isophorone	50

### Paint properties

Property	Value	Unit	TM
Viscosity DIN cup 4,23°C	appr. 120	sec.	-

### Application properties

Property	Value	Unit	TM
Pigment volume concentration	appr. 25	%	-
Sterilisation 60 min. 129°C tap water	pass	-	-

### Curing conditions

Stoving cycle 12-15 min. 180°C

- 1) Kronos Titan GmbH
- 2) Shell Chemie BV
- 3) Eastman Chemicals
- 4) Daniel Products Company
- 5) Exxon Chemical



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