



## BSOLV 16

A FAST EVAPORATING VOC EXEMPT SOLVENT

DUPLAST has been involved in manufacturing of eco-friendly products for the industry. BSOLV 16 is a fast evaporating VOC exempt solvent. It can be used in applications where fast drying is of much importance.

### DUPLAST

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## Introduction:-

**BSOLV 16** is a clear, colorless liquid with non residual, pleasant odour. It has limited solubility with water; however it has good to high solubility with most common organic solvents. The boiling point of **BSOLV 16** is 57 ° C which makes it fast evaporating. It dissolves wide variety of resins including many acrylics, vinyl, epoxies, urethanes, polyester, phenolics & cellulosic's. It doesn't dissolve rubber or polyvinyl chloride.

**BSOLV 16's** fast evaporation rate suggests its use in formulation of fast dry industrial maintenance coatings, air-dry automotive refinish paints, aerosol coatings, and quick dry adhesives and spray applied furniture coatings.

We can offer you 2 grades with min assay of 99.5% & another with min of 97%.

The U.S Environmental protection agency has exempted this solvent from federal regulation as a volatile organic compound (VOC) effective from MAY11, 1998. **BSOLV 16** joins the small group of fast drying eco-friendly solvents.

**BSOLV 16** offers formulators a potent new tool to meet existing and upcoming VOC regulations. It is a highly active oxygenated solvent that dissolves a wide variety of common coatings resins. DUPLAST offers both technical grade (97% purity) and high grade 99% purity of use in specific applications. Both grades are available for immediate delivery.

## SPECIFICATIONS:-

PARTICULARS	HIGH PURITY	TECH GRADE
ASSAY, wt%	Min. 99.5%	Min. 97.00 %
Water, wt%	Max. 0.05	Max. 0.10
Acidity as mg/kg	Max. 50	-
Color, PtCo	Max. 10	-

## Applications:-

- Paints & coatings
- Solvent for adhesives(fast drying)
- Paint Stripper.
- Fuel system cleaner & additives.
- Inks: Flexographic , gravure, marking, writing & for inkjet printers.
- Solvent for personal care products.
- Cleaner for electronics, precision parts, photo resist strippers.

The VOC exempt status of **BSOLV 16** would benefit companies looking to reduce emissions in any application where high solvency, fast evaporating solvent can be used.

Below is a comparison of **BSOLV 16** with other fast evaporating solvents. Although it has essentially the same evaporation rate as acetone, methyl acetate offers high flash point and higher blush resistance making it easier to meet restrictions set by the formulator or coating user. It evaporates slightly faster than ethyl acetate and MEK suggesting it as a replacement for those solvents when lower VOC content is required.

PARTICULAR	METHYL FORMATE	METHYLENE CHLORIDE	DIETHYL ETHER	BSOLV 16	ACETONE	ETHYL ACETATE	METHYL ETYHL KETONE
<b>Evaporation rate (BuAc= 1)</b>	53	14.5	11.8	6.0	6.06	4.94	4.03
<b>Boiling Point °F</b>	89	104	94	135	133	171	175
<b>Closed Cup Flash Point °F</b>	-26	NONE	-20	14	-4	24	20
<b>Vapour Pressure @ 25° C, mmHgA</b>	585	438	538	215	231	93	92
<b>Specific gravity, 20/4</b>	0.974	1.328	0.714	0.932	0.792	0.900	0.805
<b>Blush resistance, % RH</b>	-	-	-	20	<20	39	45
<b>Solubility in water @ 20 °C, wt%</b>	33.0	1.3	6.9	26.8	Complete	7.4	27.0
<b>Lower Flammable Limit, Vol% in Air</b>	5	-	1.7	3.1	2.5	2.0	2
<b>Upper Flammable Limit, Vol% in Air</b>	23	-	48.1	16	13.0	11.4	11
<b>Dispersion</b>	-	8.9	7.1	7.1	7.6	7.7	7.8
<b>Polarity</b>							
<b>Hydrogen Bonding</b>	-	3.0	2.5	4.4	3.4	3.5	2.5
<b>Overall</b>	-	9.9	7.7	8.8	9.8	8.9	9.3

## PACKAGING:-

BSOLV 16 is packed in 200 ltr HDPE drums, tanker load. It should be stored in tightly closed container in a cool dry ventilated area.

## SAFETY:-

MSDS PROVIDED ON REQUEST.

### LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests DUPLAST believes to be reliable, but the accuracy or completeness thereof is not guaranteed. DUPLAST shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall not have an force or effect unless in written document signed by an officer of DUPLAST. IN NO CASE SHALL DUPLAST BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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