

SAYTEX® RB-7001 FLAME RETARDANT

DESCRIPTION

SAYTEX RB-7001 flame retardant is a reactive diol that contains both halogen and phosphorous. The product is a low-viscosity, amber-colored liquid that has improved processing and storage characteristics versus conventional brominated diols. SAYTEX RB-7001 flame retardant's balance of halogen and phosphorus provides optimized flame retardant characteristics in both PIR and PUR foams. Its lower viscosity at room temperature eliminates the need for heated, insulated storage tanks and drum heating facilities.

APPLICATIONS

Reactive diol blend for rigid polyurethane and polyisocyanurate foams, urethane elastomers and coatings

FEATURES

- Reactive diol
- Optimized halogen/phosphorous balance
- Scorch resistant
- Low viscosity

TYPICAL PROPERTIES

Appearance/form	Amber/liquid
Viscosity (cP @ 25 °C)	585
Halogen (wt %)	39
Phosphorous, (wt. %)	5.1
Specific gravity	1.48
Bulk density, lb/gal (kg/m ³)	12.4 [1479]
TGA (% wt. loss at °C)	
1%	64
5%	120
10%	138
50%	187
90%	329
Hydroxyl number (mg KOH/g)	85-115
Acid number (mg KOH/g), max	0.50
Water, wt. %, max	0.20

Solubility (wt. % at 25 °C)	
Water	<0.1
Acetone	>100
Mathanol	<0.1
Toluene	>100
HCFC 141b	6
HCFC 245fa	23
CFC-11	<1.0

These properties are typical but do not constitute a specification either in part or as a whole. Specification data is available on request from sales, customer service or customer technical service.

SHIPPING INFORMATION

Transportation classification: not regulated for transportation
Harmonized tariff number: 2917.39
Packaging and minimum order information is available from sales or customer service.

CHEMICAL REGISTRATION NUMBERS

Materials are listed on TSCA and EINECS Inventories

RESPONSIBLE CARE

Albemarle is committed to the safety and well being of our customers, employees and the community at large. Safety data sheets (SDS) are available upon request from the offices listed below.



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