

SAYTEX® RB-7980 FLAME RETARDANT

DESCRIPTION

SAYTEX RB-7980 flame retardant is a blend of SAYTEX RB-79 flame retardant, polyol and a liquid phosphate ester. The mixture of the diester/ether diol of tetrabromophthalic anhydride and phosphate results in a lower viscosity liquid than neat SAYTEX RB-79 flame retardant.

APPLICATIONS

Reactive diol mixture for rigid polyurethane foams, urethane elastomers and coatings.

FEATURES

SAYTEX RB-7980 flame retardant is a reactive, high-bromine-content diol mixture exhibiting significantly lower viscosity than neat SAYTEX RB-79 flame retardant. Key customer advantages are improved processing and storage characteristic.

Lower viscosity at room temperature eliminates the need for heated, insulated storage tanks and drum-heating facilities.

TYPICAL PROPERTIES

Appearance/form	Amber/liquid
Viscosity (cP @ 25 °C)	7500-11000
% Bromine, (wt %)	36
% Chlorine, (wt %)	6.5
% Phosphorus, (wt %)	1.9
Specific gravity	1.65
Bulk density, lb/gal (kg/m ³)	13.8 [1650]
Hydroxyl number (mg KOH/g)	160-188
Acid number (mg KOH/g), max.	0.5
Water (wt %), max.	0.20
Solubility (wt. % at 25 °C)	
HFC 245fa	9.5
Water	<0.1
n-Pentane	2.7
Cyclopentane	3.2
Isopentane	2.1
HFO 1233zd(E)	7.5

**SAFETY AND HANDLING
INFORMATION**

Avoid prolonged or repeated skin contact. Avoid inhalation of dust or contact with eyes. Protective gloves, chemical-safety goggles and NIOSH-approved dust respirators should be worn where there is a chance of exposure. Wash hands after handling. Smoking and eating should be avoided when handling the product. Under the CERCLA/RCRA regulations currently in effect, this product is not regulated as a hazardous waste or material. Normal handling and disposal procedures in accordance with good industrial practice and any applicable state or local regulations are recommended.

**CHEMICAL REGISTRATION
NUMBERS**

Blended material. Please refer to Safety Data Sheets (SDS).

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.



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