



ELPROTECT – BZC™ (Benzyl Chloride)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Colorless to slightly yellow liquid with a pungent, irritating odor.
Physical Form	Colorless to slightly yellow liquid
Odor	Pungent, aromatic, irritating
Molecular Weight	126.58 g/mol
Density	1.100 g/cm ³ at 20 °C
Specific Gravity	1.1 at 20°C/4°C
Viscosity	1.27 cps @ 20 °C
Refractive Index	1.5415 (15 °C)
Assay / Purity	Min 99%
Chemical Properties	
Ionic Nature	Non-ionic
Incompatibilities	Strong oxidizing agents, acids, bases, and active metals such as copper, aluminum, magnesium, iron, zinc, and tin.
Hazardous Reactions / Decomposition Products	Polymerizes with evolution of heat and hydrogen chloride when in contact with most common metals except nickel and lead. When heated to decomposition, it emits toxic and corrosive fumes, including hydrogen chloride and phosgene.
Thermal Properties	
Melting Point	-39 °C
Boiling Point	179 °C
Flash Point	67 °C (153 °F) c.c.
Autoignition Temperature	585 °C (1085 °F)
Thermal Stability	Stable under normal conditions. May become unstable at elevated temperatures and pressures.
Solubility	
Solubility in Water	0.49 g/L at 20 °C (very slightly soluble)
Solubility in Ethanol	Freely soluble



Property	Specification
Solubility in Acetone	Freely soluble
Solubility in Diethyl Ether	Freely soluble
Solubility in Chloroform	Freely soluble
Solubility in Benzene	Soluble

The information and data contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof.

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