



Technical Data Sheet

MATERIAL:	Polybutadiene, phenyl terminated
CATALOG NUMBER:	435
CAS NUMBER:	9003-17-2
DESCRIPTION:	Phenyl terminated polybutadiene homopolymer, 99% unsaturation
FORMULA:	$(C_4H_6)_x$

TYPICAL PROPERTIES:

Appearance:	Viscous liquid
Approx Mn:	900
Viscosity:	1p (50°C)
Density:	0.89 (20°C)
Flash point:	302°F
Solubility:	THF, toluene, xylene
Microstructure (%)	
Vinyl 1,2:	45
Trans 1,4:	35
Cis 1,4:	20

GENERAL INFORMATION: With a high level of unsaturation, this product may be readily crosslinked and is typically used in surface coating applications including varnishes, lacquers, anticorrosion metal primers, electropaint systems and modified alkyds and drying oils. The almost equal proportions of 1,2 and 1,4 microstructures give a desirable balance of hardness and flexibility in the cured films.

STRUCTURE:

Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by Sp² in writing at time of sale. Sp² cannot assume responsibility for any patent liability which may arise from the use of any product in a process, manner or formula not designed by Sp².