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Fluid Mechanics for Chemical Engineers Second Edition with Microfluidics and CFD. The Prentice Hall International Series in the Physical and ... 1.1 Fluid Mechanics in Chemical Engineering 3 1.2 General Concepts of a Fluid 3 1.3 Stresses, Pressure, Velocity, and the Basic Laws 5

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FOR CHEMICAL ENGINEERS (EKC212) Core Course Semester I (2008/2009) by Mohamad Hekarl Uzir (MSc.,PhD.) School of Chemical Engineering Universiti Sains Malaysia Engineering Campus Seri Ampangan 14300 Nibong Tebal ... The area of study of the above fluids is known as fluid mechanics. 6.

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Engineering Fluid Mechanics 4 Contents Contents Notation7 1 Fluid Statics 14 1.1 Fluid Properties 14 1.2 Pascal's Law 21 1.3 Fluid-Static Law 21 1.4 Pressure Measurement 24 1.5 Centre of pressure & the Metacentre 29 1.6 Resultant Force and Centre of Pressure on a Curved Surface in a Static Fluid 34 1.7 Buoyancy37

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