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separating gas pockets another definition of foam is a bubbly liquid particularly if the bubbles or froth are undesirable foaming and gas dispersion properties of non ionic surfactants in the presence of an inorganic electrolyte chemical engineering science 2014 116 536 546 doi org 10 1016 j ces 2014 05 011 early definitions of antifoamers referred to the chemicals or materials pre dispersed in the liquid phase prior to processing to prevent foam formation produce low foamability while defoamers were added to eliminate existing stable foams produce low foam stability by a shock effect detailing a variety of different kinds of foams from wet detergents and food foams to polymeric material and metal foams it connects theory to real world applications and recent developments in foam research 12 bubble and foam chemistry ne w areas of foam research pdf export citation index pdf export citation created date 2 7 2021 3 08 40 pm in physical chemistry foam or foam spray is defined as a colloidal system it means a dispersion of particles in the continuous medium where the particles are given as gas bubbles and the medium as a liquid the word is often used to describe a lightweight rigid or spongy cellular material surfactants and foam have captured the interest of researchers worldwide due to their unique behavior of surface activity the dynamic nature of foam formation and simultaneous destruction the present review focuses on the surfactants classification surfactant solvent interaction foam formation characteristics and a range of admixtures foam is a substance that is made up of small bubbles of gas enclosed in a liquid the gas can be air carbon dioxide or another gas the liquid can be water oil or a solvent when the gas is compressed the bubbles get smaller when the gas is released the bubbles get bigger

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