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	transfer medium; 5.9 Foam stabilisers; 5.10 Freezing point depression; 5.11 Humectancy; 5.12 Hygroscopicity; 5.13 Nutritive solids; 5.14 Osmotic pressure; 5.15 Prevention of sucrose crystallisation; 5.16 Prevention of coarse ice crystal formation; 5.17 Sheen producer; 5.18 Sweetness; 5.19 Viscosity; 5.20 Summary of properties; 5.21 Differences between glucose syrups and sucrose Chapter 6 Syrup applications: an overview6.1 Introduction; 6.2 42 DE Glucose Syrup; 6.3 28 and 35 DE Glucose Syrup; 6.4 Glucose syrup solids; 6.5 Maltose and high maltose syrups; 6.6 63 DE Glucose Syrup; 6.7 95 DE Glucose Syrup; 6.8 Dextrose monohydrate; 6.9 HFGS and fructose syrups; 6.10 Maltodextrins; Chapter 7 Trehalose; 7.1 Introduction; 7.2 Production; 7.3 Properties; 7.4 Applications; 7.4.1 Confectionery; 7.4.2 Dairy; 7.4.3 Jams and fruit fillings; 7.4.4 Cosmetic and personal hygiene products; 7.4.5 Pharmaceuticals; 7.4.6 Medical applications; Chapter 8 Sugar alcohols: an overview 8.1 Introduction8.2 Production; 8.3 Overview of polyol properties; 8.4 Applications overview; 8.4.1 Sorbitol; 8.4.2 Maltitol; 8.4.3 Mannitol; 8.4.4 Erythritol; Chapter 9 Glucose syrups in baking and biscuit products; 9.1 Introduction; 9.2 Fermented goods; 9.3 Non-fermented goods; 9.4 Biscuits; 9.5 Biscuit fillings; 9.6 Wafer fillings; 9.7 Bakery sundries; 9.7.1 Fondant; 9.7.2 Hundred and thousands; 9.7.3 lcings; 9.7.4 Marshmallows; 9.7.5 Marzipan; 9.7.6 Fruit flavoured pieces; 9.7.7 Piping jelly; 9.7.8 Bakery glaze; 9.8 Reduced calorie products; 9.9 Breakfast cereals Chapter 10 Glucose syrups in brewing
Sommario/riassunto	Glucose syrups (commonly known as corn syrups in North America) are derived from starch sources such as maize, wheat and potatoes. Offering alternative functional properties to sugar as well as economic benefits, glucose syrups are extremely versatile sweeteners, and are widely used in food manufacturing and other industries. They are a key ingredient in confectionery products, beer, soft drinks, sports drinks, jams, sauces and ice creams, as well as in pharmaceuticals and industrial fermentations. This book brings together all the relevant information on the manufacture and use of glucose s