Allulose

Presentation by Primary Information Services <u>www.primaryinfo.com</u> <u>mailto:primaryinfo@gmail.com</u>

Allulose is an ideal sweetener for those on ketogenic or reduced carb diets, as it has no impact on blood glucose or insulin levels when consumed in reasonable amounts. Ketogenic and low carb diets are used for a host of reasons other than weight loss, but for those looking to lose body fat, allulose may be an ideal sweetener since it is nearly calorie-free and has been shown to have a small but notable impact on reducing body fat mass in humans.

Allulose is a monosaccharide epimer of fructose, formally called D-psicose. It's found naturally in jackfruit, figs, raisins, and maple syrup.

Allulose is 70% as sweet as sucrose (sugar) with a very similar taste and texture, and no aftertaste

Allulose's low glycemic index is attributed to its ability to not impact blood glucose levels.

Studies show that when it's included in a meal containing carbohydrates, it actually improves glucose tolerance and insulin sensitivity.

Because allulose is technically a sugar (and it bears the suffix "ose"), the US FDA currently requires it to be listed as sugar in the Nutrition Facts panel on food labels, along with its full amount of carbohydrate and calories, even though allulose does not contribute calories to the diet.

Because we lack the enzymes to digest allulose, it is largely excreted – primarily in the urine – and has very low colonic microbial fermentability; thus, no unpleasant GI effects.

Method of Manufacture

D-allulose is manufactured from fructose in aqueous solution by enzymatic epimerization in the presence of magnesium chloride. The enzyme used is an immobilized D-allulose-3-epimerase, which converts fructose to D-allulose

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				Prepare solution including fructose			÷	Po	
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				Production of allulose syrup using immobilized cell system containing D-psicose 3-epimerase					
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				Concentration Allulose syrup (≥20%)				$\widehat{}$	
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	TABLE 1 Products Containing Allulose				^	© }
	PRODUCT	SWEETENER STATEMENT				
	Allulite Rare Chocolate	All the taste of sugar without all the calories or impact on blood glucose				
	Fuze Meyer Lemon Black Tea; Fuze Tropical Mango Green Tea	Proprietary sweetener blend (sugar, allulose, stevia leaf extract)				
	Keystone Pantry Allulose Rare Natural Sweetener	Ultra low-calorie sugar				P
	Keystone Pantry Flavored Syrups	Sweetened with allulose and monk fruit				B
	Know Better Cookie	Near zero glycemic index				ĚD
	Lang's Reduced Calorie Chocolate Truffles	Truffles with indulgent experience, made with allulose				
	Quest Hero Bar	Sweeteners include allulose, erythritol, and sucralose				
	OURCE: LIST OF PRODUCTS CAME FROM SWEETENER MANUFACTURERS, VARIOUS WE PRODUCTS ARE ON THE MARKET.	EBSITES, AND A FOOD AND BEVERAGE PRODUCT DATA BASE. THIS ISN'T AN EXHAUSTIVE LIST; ADDITIONAL				~
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Global allulose market is segmented on the basis of its various application in various industries such as bakery, confectionary, dairy food and therapeutic food such as diabetic or weight management food. Increasing number of health issues associated with consumption of simple high calorie sugar, growing obesity rate, diabetic patients etc. are major factors causing consumers shift towards low calorie sweeteners.

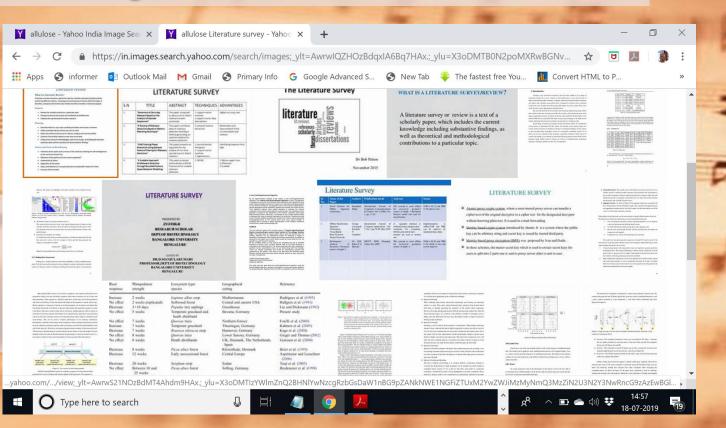
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Literature Survey

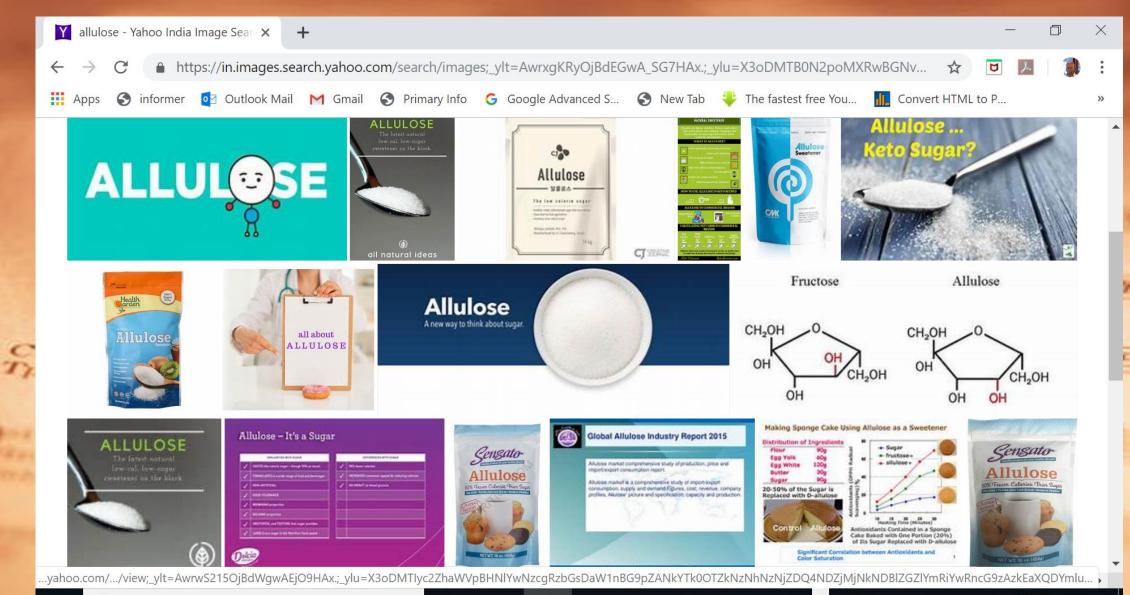
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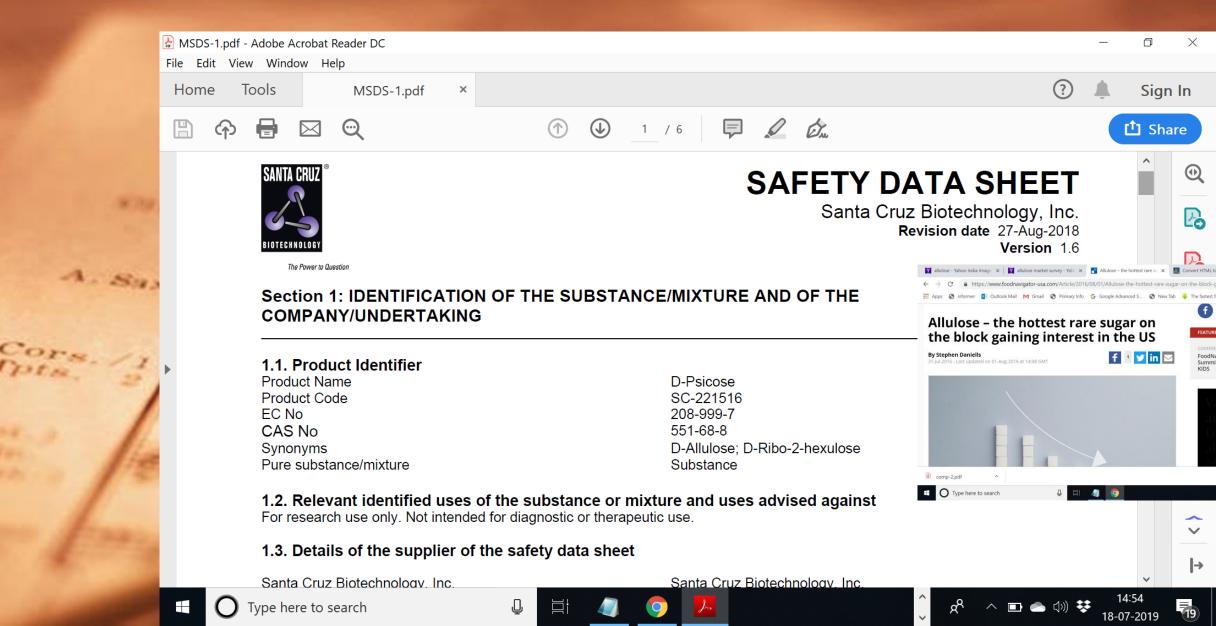
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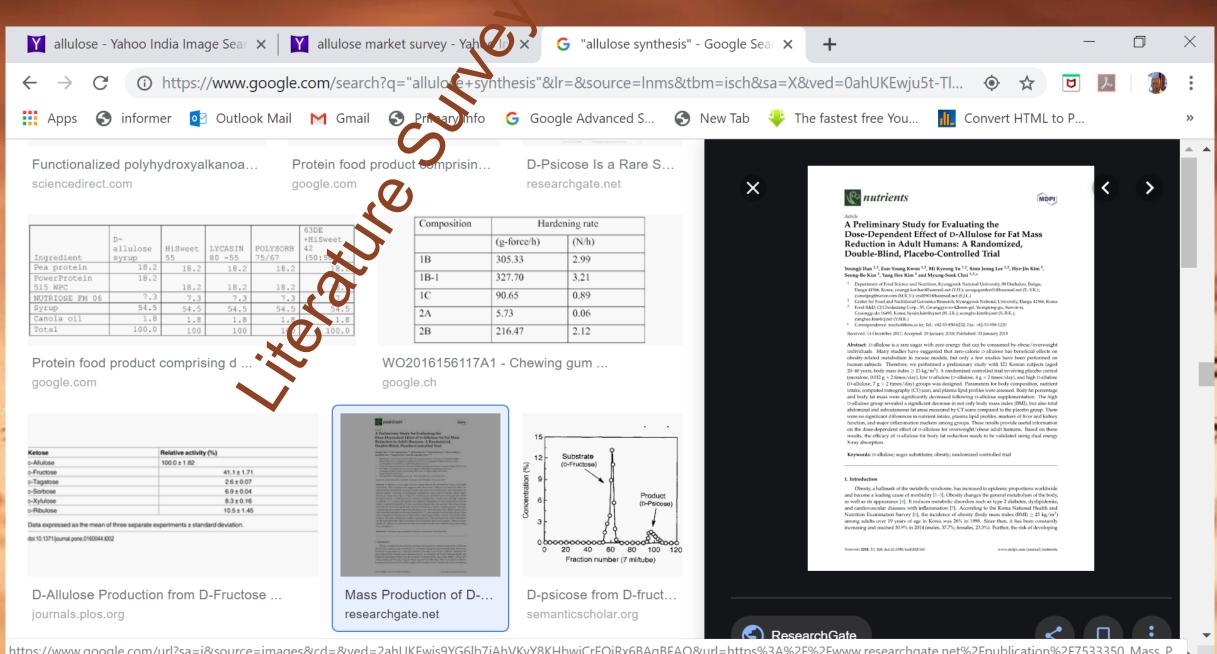
On the basis of allulose - Yahoo India Image 🗴 👖 allulose market survey - Yahi: 🗴 🔓 allulose consultant - Goocele 🗴 🚦 Convert HTML to PDF online 🗴 🕂 global Allulose arket Prominent Growth and Vendor Landscape by 2026 segmented into have current study and addition to the ... is a prominen research and consulting firm offering action-read liquid, and othe ose Market Size Overview, Business and Industry Statistics g tensive study offering forecast assessment on Allulose Market ... is a Allulose is addi narket research and consulting firm offering action-ready broadly utilized auidance could prompt surge of interest in low-cal, tooth-friendly 😳 📉 FoodNavigator-USA.com - 19-Apr-20 different items vogurt. fro 🗧 🔵 Type here to search kitchen items, and other low ourishments calorie n Allulose is broadly utilized as a settling and thickening specialist for different pastry shop items, for example

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Global Allulose Market By Type (Liquid Form Allulose, and Powder Form Allulose), By Application (Beverages, Confectionery, and Dairy), By Region and Key Companies -Industry Segment Outlook, Market Assessment, Competition Scenario, Trends and Forecast 2019–2028

Overview	Table of Contents	Major Market Players	Inquiry Before Buying	
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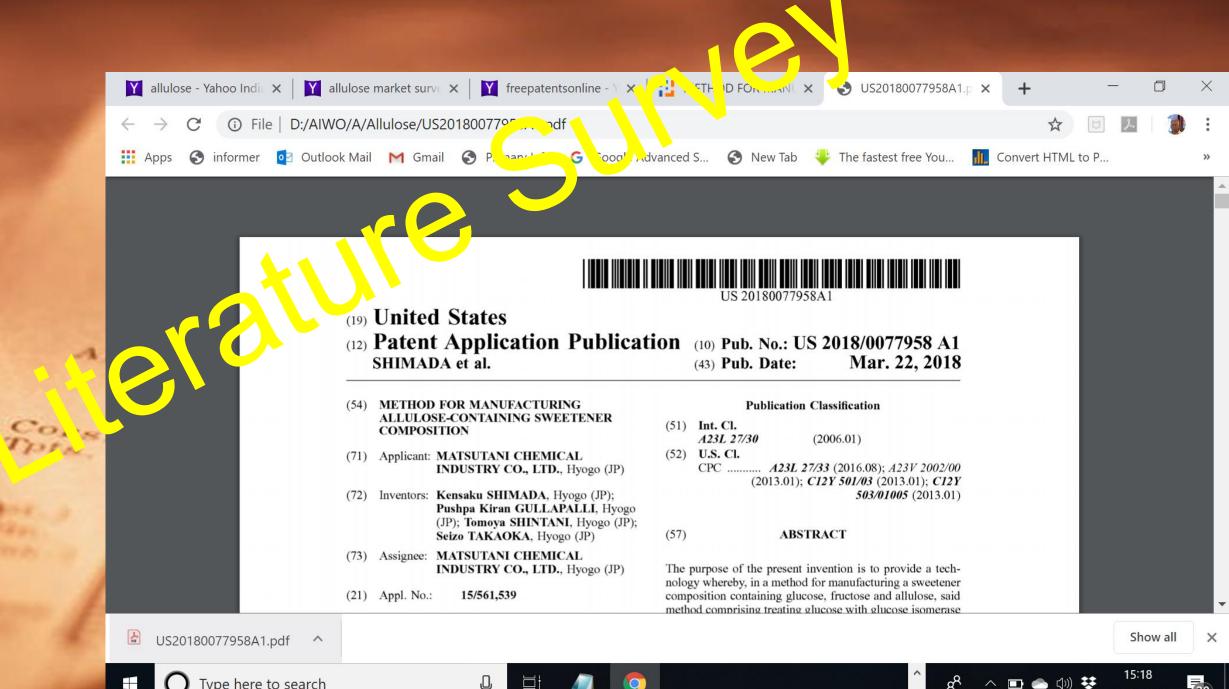
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1	US20180049458	ALLULOSE SYRUPS The present invention relates to allulose syrups, use of allulose syrups in the manufacture of food or beverage products, and food and beverage products made using the allulose syrups.	999	B
2	US20180279643	CHEWING GUMS CONTAINING ALLULOSE Chewing gums containing allulose and methods of making such gums are disclosed. In one embodiment, the gum comprises about 5% to about 95% gum base, about 0.1% to about 10% flavoring agent and	804	R
3	US20180271112	CONFECTIONS CONTAINING ALLULOSE A low calorie, low laxation confection such as chewy candy, hard candy, tableted candy, or gelled candy having acceptable texture, stability, clarity, and flavor delivery that contains a bulk	771	B
4	US20180271113	CHEWING GUM COMPOSITION COMPRISING CRYSTALLINE ALLULOSE PARTICLES The present invention pertains to a chewing gum composition comprising crystalline allulose particles and optionally an aqueous allulose syrup, and to the use of allulose for increasing the	742	1
5	US20180077958	METHOD FOR MANUFACTURING ALLULOSE-CONTAINING SWEETENER COMPOSITION The purpose of the present invention is to provide a technology whereby, in a method for manufacturing a sweetener composition containing glucose, fructose and allulose, said method comprising	699	1



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questions?

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