

the latest in Lipids

JUNE

Incorporation of [9,10-methylene-¹⁴C] Sterculic Acid in Trout
 Acylation of 2-Acyl-*sn*-Glycero-3-Phosphorylinositol in Liver
 Phthalates Influence on Human LCAT Activity
 Isoflavones and Hypercholesterolemia in Rats
 Variations in Molecular Species of Lung Phosphatidylglycerol
 Incorporation of Elaidic Acid in Human Blood Phospholipids
 Choline Uptake and Lecithin Synthesis by Isolated Rat Lung
 Serum α -Lipoprotein Responses to Dietary Manipulation in Monkeys
 Lipoprotein Changes in Suckling and Weanling Rabbits
 Linoleic Acid-Fed Rainbow Trout
 Estolide Triglyceride of *Heliophila amplexicaulis* Seed Oil
 Novel Octadecadienoic Fatty Acids in Seaweeds
 Hypolipidemic Effects of ML-236B in Monkeys
 Simple Procedure for Quantitative Extraction of Brain Lipids
 Labeled Phosphatidylcholines from Phosphatidylethanolamines
 Argentation TLC with Silver Sulfamate

New Publications



1978 Indexes to EPA/NIH Mass Spectral Data Base and Volumes I-IV, Dr. Heller, G.W.A. Milne; 1978; five volumes, 661 to 1,013 pages per volume, \$65 per set, sold in sets only; order NSRDS-63, SD No. 003-003-01987-9. Includes 25,556 verified mass spectra of individual substances from EPA/NIH mass spectral file, given in bar graph format over full mass range.

Surfactants UK, second edition, G.L. Hollis, £10 (plus £1.50 for airmail outside Europe); 268 p., Tergo-Data, 34 Edinburgh Drive, Darlington, C. Curham DL3 8AT, England; list of 3,500 surface active agents from 62 manufacturers, identified by brand name and chemical name.

MARCH 1979

Tall Oil Fatty Acids & Statistics

	2% & OVER ROSIN CONTENT		LESS THAN 2% ROSIN CONTENT	
	MARCH	Percent change from FEB 1979	MARCH	Percent change from FEB 1979
Stock on Hand				
MARCH 1, 1979	20,160	+ 12.7	10,602	- 13.4
Production	18,798	- 4.4	15,244	- 16.1
Purchases & Receipts	728	+ 00	0	
Disposition				
Domestic	17,748	+ 21.8	17,615	+ 5.8
Export	2,078	- 35.3	1,883	- 40.4
Total Disposition	19,826	+ 11.5	19,498	- 1.6
Net Disposition*	19,098	+ 9.8	19,498	- 1.6
Total Stock				
MARCH 31, 1979	19,861	- 1.5	6,347	- 40.1

*Net - Less purchase & receipts.
 Definition: Fatty acids fractionated from crude tall oil having a minimum of 90% fatty acids, not including rosin acids. Primary fractions containing less than 90% fatty acids are classified as distilled tall oils.

ACIDS in thousand pounds



Month	Year	FINISHED GOODS INVENTORIES (F)	PRODUCTION (A)	RECEIPTS (B)	DISPOSITION				TOTAL DISPOSITION	FINISHED GOODS INVENTORIES (F)
					Export (C)	Domestic Shipments (D)	Stocks (E)	Shipments (G)		
March 1979	1979									
NUMBER OF MANUFACTURERS REPORTING		18	18	18	18	18	18	18	18	18

Saturated

SP - Single Pressed DP - Double Pressed TP - Triple Pressed

FRACTION	Description	March 1979		February 1979		March 1979		February 1979		
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
HYDROGENATED ANIMAL & VEGETABLE FATTY ACIDS	STEARIC ACID (40-50% Stearic Content) (1)	6,146	13,212	1,315	4,540	30	53	13,968	6,705	
	60 C maximum (100% Stearic Content) (1, 2)	4,768	11,325	---	14	11,062	---	11,016	5,017	
	57 C maximum (100% Stearic Content) (1, 2)	4,352	11,973	2,471	5,541	9,485	81	15,109	3,888	
	Minimum Stearic Content of 70% (2)	1,759	3,031	---	583	2,563	24	2	3,172	1,808
	HIGH PALMITIC (Over 60% palmitic (1, 2) maximum 12) (3)	1,319	479	---	181	513	113	---	817	981
HYDROGENATED FISH & MARINE MAMMAL FATTY ACIDS (4)		345	547	---	67	466	---	---	533	359
	LALRITIC ACIDS (1, 2) minimum 5-Sapon (1, 2) minimum 24% (including coccolic acid, kernel, dibaculic) (5)	4,322	9,098	82	2,784	4,496	1,750	2	9,032	4,470
FRACTION FATTY ACIDS	C 16 or lower, including capric (6)	688	1,655	1	3	1,744	71	21	1,839	505
	Capric and myristic content of 95% or more (6)	2,323	755	---	688	944	---	---	1,642	1,436
	TOTAL SATURATED FATTY ACIDS	26,023	52,065	3,869	14,421	40,618	2,069	80	57,198	24,789

Unsaturated

ND - Not distilled SD - Single distilled MD - Multiple distilled

FRACTION	Description	March 1979		February 1979		March 1979		February 1979		
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
OLEIC ACID (7)		14,019	16,055	137	7,187	257	1,290	18,299	11,516	
	ANIMAL FATTY ACIDS other than oleic (1, 2) (8)	4,891	17,266	---	953	11,425	1,254	2,381	16,013	6,144
VEGETABLE OR MARINE FATTY ACIDS (1, 2) (9)		---	12	---	---	---	---	---	---	
	UNSATURATED FATTY ACIDS (1, 2) (10)	7,170	4,272	---	1,266	4,209	263	496	6,234	5,208
UNSATURATED FATTY ACIDS (1, 2) (11)		1,975	943	---	29	1,762	---	106	1,897	971
	TOTAL UNSATURATED FATTY ACIDS	28,005	38,552	137	9,435	26,972	1,774	4,273	42,456	24,240
TOTAL ALL FATTY ACIDS SATURATED & UNSATURATED		54,028	90,617	4,006	23,856	67,590	3,843	4,353	99,642	49,009

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