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ORGANIC CHEMICALS DEPARTMENT
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ORGANIC CHEMICALS DEPARTMENT MONTH OF December 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ Cols. (6) x (7) (8)	LINE
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	MTA S.P.East	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 31	101.15		784.7	775.8				3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21	99.71		443.6	444.9				4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24	—		50.5					5
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7	98.45		182.6	185.5				6
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13	—		161.7					7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18	102.63		33.4	32.5				8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26	—		18.1					9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 5	—		98.1					10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30	99.89		109.9	110.0				11
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13	99.76		944.5	946.8				12
13	Dyes Group Sample Total					13				2827.1	2823.9	100.11			13
14	Dyes Group Total					14				3039.3	3036.0				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	85.00	5.0	5.9				16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	0.1	0.1				17
18	Camphor Sample Total					18				5.1	6.0	85.00			18
19	Camphor Group Total					19				5.1	6.0				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	MTA S.P.East	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	0.1	0.1				21
22		N, N-Diethylaniline Tech.	"	"	T/T	22		.55							22
23		N N-Dimethylaniline Tech.	"	"	T/C	23		.28	92.86	8.9	9.4				23
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24	108.33	11.8	10.9				24
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15	113.33	14.0	12.4				25
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092	96.11	154.5	160.8				26
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27		.11	136.36	4.0	2.9				27
28		Dinitrotoluene Blend O Tech.	"	"	550# in 55 Gal. Drums	28		.12	108.33	0.8	0.7				28
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29		.11	136.36	4.5	3.3				29
30		2, 4-Dinitrotoluene Tech.	"	MTA S.P.East	250# Wood Barrel	30		.23							30
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70							31
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00							32
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50							33
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63							34
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13							35
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45							36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ Cols. (6) x (7) (8)	LINE
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P.East MTA	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal. Drum T/L	2		.13	115.38	0.3	0.3				2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275							3
4		O-Toluidine Tech.	"	"	T/C	4		.25	112.00	82.8	73.9				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Drum T/L	5		.27	111.11	—	—				5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				661.4	654.6	101.04			8
9	Intermediates Sub-Group Total					9				1046.9	x 1035.1				9
10	Intermediates Group Sample Total					10				1051.0	(x) 1041.1	100.95			10
11	Intermediates Group Total					11				1063.8	x 1053.8				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAC	"	"	425# Drum	13		.22							13
14		Avitex C	"	"	325# Drum T/L	14		.215							14
15		"Duponol" D Paste	"	"	450# Drum	15		.31							15
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	2.6	2.4				16
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	26.8	25.5				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32							18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	17.1	15.5				19
20		"Duponol" WAQ	"	"	T/C	20		.17	108.82	20.7	19.0				20
21		"Duponol" WAQA	"	"	T/T	21		.18	108.33	14.1	13.0				21
22		"Duponol" WAQB	"	"	T/T	22		.18	108.33	6.4	5.9				22
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	1.5	1.4				23
24	Sample Total					24				152.9	140.4	104.44			24
25	Sub-Group Total					25				241.9	x 231.6				25
26	Alkyl Products	"Avitone" A	Lb.	S.P.East MTA	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrowet" R	"	"	455# Drum T/T	29		.265							29
30	Sample Total					30									30
31	Sub-Group Total					31				87.0	x				31
32	Finishing Agents	"Avitex" KA	"	"	375# Drum	32		.47		25.8	x				32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

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LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ Cols. (6) x (7) (8)	LINE
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	S.P.East MTA	360# Drum	1		.42							1
2		"Terpalin"	"	"	T/T T/C	2		.33	115.15	12.3	10.7				2
3	Sample Total					3				33.9	32.3	104.95			3
4	Sub-Group Total					4				35.9 x	34.7				4
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	S.P.East MTA	250# Drum T/L	5		.225		185.1 x					5
6	Miscellaneous	"Alkanol" 1009	Lb.	S.P.East MTA	5 Gal. Cans	6		.40							6
7		"Alkanol" WXN	"	"	450# Drum	7		.19							7
8		Compound No. 8-8	"	"	500# Drum	8		.21							8
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48							9
10	Sample Total					10									10
11	Sub-Group Total					11				124.3 x					11
12	Repellents Durable	"Zelan" AP Paste	Lb.	S.P.East MTA	350# in 55 Gal. Dr. T/T	12		.895							12
13		"Zelan" FF	"	"	350# in 55 Gal. Dr. T/T	13		.845							13
14	Sample Total					14									14
15	Sub-Group Total					15				138.0 x					15
16	Resin Products	"Zeset" MC	Lb.	S.P.East MTA	T/T	16		.20	72.50	65.3 x	90.1				16
17	Chemicals Group Sample Total					17				953.3 (x)	966.1	98.68			17
18	Chemicals Group Total					18				973.5 +	986.5				18
19	50% Elastomer-Orchem Partnership	(Use link relative from Elastomer Form Line 23, p. 2)				19				343.3 +					19
20	50% Grasselli-Orchem Partnership	(Use link relative from Grasselli Form Line 8, p. 3)				20				40.3 +					20
21	Dyes and Chemicals Division Grand Total					21				5460.2 (x)	5459.9				21
22						22									22
23						23									23
24						24									24
25						25									25
26						26									26
27						27									27
28						28									28
29						29									29
30						30									30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

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MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)x(7) (8)	LINE
1	"FREON" PRODUCTS					1									1
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	MTA S.P.East	T/C T/T	2		.203							2
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.263							3
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580							4
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645							5
6	Sample Total					6									6
7	"Freon" Products Division Grand Total					7				2659.5 (+)					7
8						8									8
9	PETROLEUM CHEMICALS					9									9
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	MTA S.P.East	400# in 55 Gal. Drum	10		1.11							10
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67							11
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64							12
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735							13
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61							14
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. T/P	15		.64							15
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79	92.18	30.2	37.8				16
17	Sample Total					17				288.9	291.5	99.11			17
18	Group Total					18				438.2 +	443.1				18
19	TEL					19									19
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Ppd. T/C	20		.4093	99.23	1448.9	1460.1				20
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Ppd. T/C	21		.3735	99.16	7450.3	7513.4				21
22	Sample Total					22				8899.2	8973.5	99.17			22
23	Group Total					23				8913.5 +	8988.1				23
24	Petroleum Chemicals Division Grand Total					24				9352.7 (+)	9431.2	99.17			24
25						25									25
26						26									26
27	ORGANIC CHEMICALS DEPARTMENT					27									27
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	5460.2	5459.9	100.01	116.3	116.3	28
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	2659.5	2659.5	100.00	109.4	109.4	29
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	9352.7	9431.2	99.17	117.1	116.1	30
31	Organic Chemicals Department Grand Total					31			Cum & Sp.	17472.4	17550.6	99.55	116.2	115.7	31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF November 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

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LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n (Operating Department) (1)	Preceding December p_{Dec} (Operating Department) (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ (129 Sheet or Sales Tab.) (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Di Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)
1	DYES AND CHEMICALS					1						
2	Dyes					2						
3	Azo	(232 Specific dyes are used as	Lb.	MTA S.P.East	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 31	101.75		830.2	820.0	
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21	99.53		523.2	525.7	
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24	—		50.2	50.2	
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7	99.07		348.4	351.7	
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13	—		175.2	175.2	
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18	105.19		36.0	34.2	
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26	—		34.6	34.6	
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 5	—		138.8	138.8	
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30	100.00		142.3	142.3	
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13	99.89		1140.6	1141.9	
13	Dyes Group Sample Total					13				3419.5	3414.6	100.14
14	Dyes Group Total					14				3664.1	3659.0	
15	Intermediates					15						
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	95.00	22.4	26.4	
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	16.5	17.5	
18	Camphor Sample Total					18				38.9	43.9	88.61
19	Camphor Group Total					19				38.9	43.9	
20	Intermediates	M-Chloroaniline S Tech.	Lb.	MTA S.P.East	T/C	20		.73				
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	24.9	25.6	
22		N, N-Diethylaniline Tech.	"	"	T/T	22		.55				
23		N N-Dimethylaniline Tech.	"	"	T/C	23	.26	.28	92.86	8.7	9.4	
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24	108.33	5.2	4.8	
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15	113.33	18.4	16.2	
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092	96.11	113.6	118.2	
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27		.11	136.36	10.6	7.8	
28		Dinitrotoluene Blend Q Tech.	"	"	550# in 55 Gal. Drums	28		.12	108.33	—	—	
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29		.11	136.36	7.9	5.8	
30		2, 4-Dinitrotoluene Tech.	"	MTA S.P.East	250# Wood Barrel	30		.23				
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70				
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00				
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50				
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.53				
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13				
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45				
37						37						
38						38						

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VF-4217

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)x(7) (8)	LINE
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P.East MTA	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal.Dr.T/L	2		.13	115.38	11.7	10.1				2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum	3		.275							3
4		O-Toluidine Tech.	"	"	T/C C/L T/L	4		.25	112.00	46.4	41.4				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr.T/L	5		.27	111.11	—	—				5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				589.6	581.5	101.39			8
9	Intermediates Sub-Group Total					9				1004.8	991.0				9
10	Intermediates Group Sample Total					10				[illegible]	10349	100.85			10
11	Intermediates Group Total					11				1058.1	1049.2				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAG	"	"	425# Drum	13		.22							13
14		Avitex C	"	"	325# Drum T/L	14		.215							14
15		"Duponol" D Paste	"	"	450# Drum	15		.31							15
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	5.2	4.9				16
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	30.3	28.8				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32							18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	31.4	28.5				19
20		"Duponol" WAC	"	"	T/C	20		.17	108.82	43.2	39.7				20
21		"Duponol" WACA	"	"	T/T	21		.18	108.33	8.9	8.2				21
22		"Duponol" WACB	"	"	T/T	22		.18	108.33	5.2	4.8				22
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	10.3	9.6				23
24	Sample Total					24				310.2	300.2	103.00			24
25	Sub-Group Total					25				316.0	301.0				25
26	Alsyl Products	"Avitone" A	Lb.	S.P.East MTA	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrowet" R	"	"	455# Drum T/T	29		.265							29
30	Sample Total					30									30
31	Sub-Group Total					31				86.2					31
32	Finishing Agents	"Avitex" KA	"	"	375# Drum	32		.47		33.4					32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

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MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total D[illegible] Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	S.P.East MTA	360# Drum	1		.42				
2		"Tetralin"	"	"	T/T T/C	2		.33	115.15	8.9	7.7	
3	Sample Total					3				26.6	25.4	104.72
4	Sub-Group Total					4				22.7 x	21.7	
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	S.P.East MTA	250# Drum T/L	5		.225		194.0 x		
6	Miscellaneous	"Alkanol" 1009	Lb.	S.P.East MTA	5 Gal. Cans	6		.40				
7		"Alkanol" WXN	"	"	450# Drum	7		.19				
8		Compound No. 8-S	"	"	500# Drum	8		.21				
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48				
10	Sample Total					10						
11	Sub-Group Total					11				132.9 x		
12	Repellents Durable	"Zelan" AP Paste	Lb.	S.P.East MTA	350# in 55 Gal.Dr.T/L	12		.895				
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/L	13		.845				
14	Sample Total					14						
15	Sub-Group Total					15				224.1 x		
16	Resin Products	"Zeset" MC	Lb.	S.P.East MTA	T/T	16		.20	72.50	100.0 x	137.9	
17	Chemicals Group Sample Total					17				1099.3 (x)	1121.2	98.05
18	Chemicals Group Total					18				1136.1 +	1158.7	
19	50% Elastomer-Orchem Partnership (Use link relative from Elastomer Form Line 23, p. 2)					19				419.3 +		100.00
20	50% Grasselli-Orchem Partnership (Use link relative from Grasselli Form Line 8, p. 3)					20				69.8 +		100.00
21	Dyes and Chemicals Division Grand Total					21				6347.4 (+)	6356.0	99.86
22						22						
23						23						
24						24						
25						25						
26						26						
27						27						
28						28						
29						29						
30						30						
31						31						
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n (Operating Department) (1)	Preceding December p_{Dec} (Operating Department) (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ (129 Sheet or Sales Tab.) (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Link Relatives $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (6)
1	"FREON" PRODUCTS					1						
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	S.P.East MTA	T/C T/T	2		.203				
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.253				
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580				
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645				
6	Sample Total					6						
7	"Freon" Products Division Grand Total					7				3184.2 (+)		
8						8						
9	PETROLEUM CHEMICALS					9						
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	S.P.East MTA	400# in 55 Gal. Drum	10		1.11				
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67				
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64				
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735				
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61				
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. L/P	15		.64				
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79	92.18	476	516	
17	Sample Total					17				446.4	450.4	99.1
18	Group Total					18				5501 +	555.0	
19	TEL					19						
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Pod. T/C	20		.4093	99.23	1691.5	1704.6	
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Pod. T/C	21		.3735	99.16	8125.8	8169.6	
22	Sample Total					22				9817.3	9894.2	99.1
23	Group Total					23				9940.7 +	9993.1	
24	Petroleum Chemicals Division Grand Total					24				10390.8 (+)	10478.1	
25						25						
26						26						
27	ORGANIC CHEMICALS DEPARTMENT					27						
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	6347.4	6356.0	99.8
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	3184.2	3184.2	100.0
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	10390.8	10478.1	99.
31	Organic Chemicals Department Grand Total					31			Cum & Sn	19922.4	20018.3	99.5
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

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ORGANIC CHEMICALS DEPARTMENT MONTH OF October 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	Line
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	S.P.East MTA	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 31		101.31	807.3	796.9				3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21		99.50	500.2	502.7				4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24		—	98.2	98.2				5
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7		99.15	272.1	274.4				6
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13		—	159.7	159.7				7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18		103.64	34.3	33.1				8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 25		—	22.7	22.7				9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 6		—	115.6	115.6				10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30		100.00	111.2	111.2				11
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13		99.78	862.4	864.3				12
13	Dyes Group Sample Total					13				2983.7	2978.8	100.16			13
14	Dyes Group Total					14				3193.3	3188.2				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	85.00	240	28.2				16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	~~35.2~~	37.3				17
18	Camphor Sample Total					18				59.2	65.5				18
19	Camphor Group Total					19				59.2	65.5				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	S.P.East MTA	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	12.4	12.8				21
22		N, N-Diethylaniline Tech.	"	"	T/T	22		.55							22
23		N N-Dimethylaniline Tech.	"	"	T/C	23		.28							23
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24	.26	.24	108.33	9.2	9.5				24
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25	.17	.15	113.33	29.0	28.8				25
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092	96.11	88.7	92.3				26
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27		.11	136.36	12.6	9.2				27
28		Dinitrotoluene Blend O Tech.	"	"	550# in 55 Gal. Drums	28		.12	108.33	—	—				28
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29		.11	136.36	12.7	9.3				29
30		2, 4-Dinitrotoluene Tech.	"	S.P.East MTA	250# Wood Barrel	30		.23							30
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70							31
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00							32
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50							33
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63							34
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13							35
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45							36
37						37									37
38						38									38

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VP-16227

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n (Operating Department) (1)	Preceding December p_{Dec} (Operating Department) (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ (129 Sheet or Sales Tab.) (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total, Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (5)/(5) (6)
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P.East MTA	T/C C/L	1		.37				
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal.Dr.T/L	2		.13	115.38	1.6	1.4	
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275				
4		O-Toluidine Tech.	"	"	T/C	4		.25	112.00	13.8	12.3	
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr.T/L	5		.27	111.11	49.8	44.8	
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28				
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45				
8	Intermediates Sub-Group Sample Total					8				572.5	559.1	102.1
9	Intermediates Sub-Group Total					9				1123.3	1097.0	
10	Intermediates Group Sample Total					10				1182.5 (x)	1167.5	101.2
11	Intermediates Group Total					11				1197.4	1177.2	
12	Chemicals					12						
13	Alcohol Sulfates	"Aquarex" WAQ	"	"	425# Drum	13		.22				
14		Avitex C	"	"	325# Drum T/L	14		.215				
15		"Duponol" D Paste	"	"	450# Drum	15		.31				
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	6.0	5.6	
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	35.7	34.0	
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32				
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	23.1	21.0	
20		"Duponol" WAQ	"	"	T/C	20		.17	108.82	27.6	25.4	
21		"Duponol" WAQA	"	"	T/T	21		.18	108.33	7.9	7.3	
22		"Duponol" WAQB	"	"	T/T	22		.18	108.33	17.8	16.4	
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	8.6	8.0	
24	Sample Total					24				188.4	179.4	105.02
25	Sub-Group Total					25				325.0	309.5	
26	Alsyl Products	"Avitone" A	Lb.	S.P.East MTA	375# Drum	26		.20				
27		"Avitone" AL	"	"	375# Drum	27		.20				
28		"Avitone" SR	"	"	375# Drum	28		.20				
29		"Petrovet" R	"	"	455# Drum T/L	29		.265				
30	Sample Total					30						
31	Sub-Group Total					31				73.8	73.8	
32	Finishing Agents	"Avitex" NA	"	"	375# Drum	32		.47		29.3	29.3	
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December P_{Dec} 47–49=100 Economist's Office (7)	Index: 47–49=100 Current Month P_n 47–49=100 Cols. (6) x (7) (8)	LINE
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	NTA S.P.East	360# Drum	1		.42							1
2		"Tetralin"	"	"	T/T T/C	2		.33	115.15	8.4	7.3				2
3	Sample Total					3				20.8	19.7	105.58			3
4	Sub-Group Total					4				24.2 x	22.9				4
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	NTA S.P.East	250# Drum T/L	5		.225		176.9 x	176.9				5
6	Miscellaneous	"Alkanol" 1009	Lb.	NTA S.P.East	5 Gal. Cans	6		.40							6
7		"Alkanol" WXN	"	"	450# Drum	7		.19							7
8		Compound No. 8-S	"	"	500# Drum	8		.21							8
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48							9
10	Sample Total					10									10
11	Sub-Group Total					11				142.2 x	142.2				11
12	Repellents Durable	"Zelan" AP Paste	Lb.	NTA S.P.East	350# in 55 Gal.Dr.T/L	12		.805							12
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/L	13		.845							13
14	Sample Total					14									14
15	Sub-Group Total					15				214.1 x	214.1				15
16	Resin Products	"Zeset" MC	Lb.	NTA S.P.East	T/T	16	.145	.20	72.50	66.9 x	92.3				16
17	Chemicals Group Sample Total					17				1056.4 x	1061.0	99.19			17
18	Chemicals Group Total					18				1087.6 x	1096.5				18
19	50% Elastomer-Orchem Partnership	(Use link relative from Elastomer Form Line 23, p. 2)				19				402.1 *					19
20	50% Grasselli-Orchem Partnership	(Use link relative from Grasselli Form Line 8, p. 3)				20				60.2 *					20
21	Dyes and Chemicals Division Grand Total					21				5940.6 *	5924.2	100.29			21
22						22									22
23						23									23
24						24									24
25						25									25
26						26									26
27						27									27
28						28									28
29						29									29
30						30									30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

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MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: SPECIFIC SAMPLE ITEM	UNIT	F.O.B.	PACKAGE OR ORDER SIZE	LINE	QUOTED PRICE OF SAMPLE ITEM: CURRENT MONTH p_n OPERATING DEPARTMENT (1)	PRECEDING DECEMBER p_{Dec} OPERATING DEPARTMENT (2)	PRICE RELATIVE $\frac{p_n}{p_{Dec}}$ COLS. (1)/(2) (3)	CURRENT QUANTITY AT CURRENT PRICES (NUMERATOR) $p_n q_n$ 129 SHEET OR SALES TAB. (4)	CURRENT QUANTITY AT DECEMBER PRICES (DENOMINATOR) $p_{Dec} q_n$ COLS. (4)/(3) (5)	TOTAL LINK RELATIVE $\frac{p_n q_n}{p_{Dec} q_n}$ COLS. (4)/(5) (6)
1	"FREON" PRODUCTS					1						
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	MTA S.P.East	T/C T/T	2		.203				
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.263				
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580				
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645				
6	Sample Total					6						
7	"Freon" Products Division Grand Total					7				2995.4(+)		
8						8						
9	PETROLEUM CHEMICALS					9						
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	MTA S.P.East	400# in 55 Gal. Drum	10		1.11				
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67				
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64				
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735				
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61				
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. L/P	15		.64				
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79	92.18	343	372	
17	Sample Total					17				312.2	315.1	99.0
18	Group Total					18				432.1	436.1	
19	TEL					19						
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Ppd. T/C	20		.4093	99.23	1401.0	1411.9	
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Ppd. T/C	21		.3735	99.16	7935.0	8002.5	
22	Sample Total					22				9336.0	9414.1	99.17
23	Group Total					23				9344.5	9427.7	
24	Petroleum Chemicals Division Grand Total					24				9776.6(+)	9858.8	99.1
25						25						
26						26						
27	ORGANIC CHEMICALS DEPARTMENT					27						
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	5940.6	5924.5	100.2
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	2995.4	2995.4	100.0
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	9776.6	9858.8	99.1
31	Organic Chemicals Department Grand Total					31			Cum & SD	18712.6	18778.4	99.6
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

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ORGANIC CHEMICALS DEPARTMENT MONTH OF September 1959

Page 1 of 4 Pages

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	LINE
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	S.P.East MTA	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 31		101.19	855.2	845.1				3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21		99.42	559.5	562.8				4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24		—	45.8	45.8				5
6	"Monestrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7		99.37	363.1	365.4				6
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13		—	138.6	138.6				7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18		105.45	27.2	25.8				8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26		—	30.9	30.9				9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 6		—	129.1	129.1				10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30		99.65	131.8	132.3				11
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13		99.27	987.5	994.8				12
13	Dyes Group Sample Total					13				3268.7	3270.6	99.94			13
14	Dyes Group Total					14				3485.4	3487.5				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	85.00	16.5	19.4				16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	21.9	23.2				17
18	Camphor Sample Total					18				38.4	42.6	90.14			18
19	Camphor Group Total					19				38.4	42.6				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	S.P.East MTA	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	9.4	9.7				21
22		N, N-Diethylaniline Tech.	"	"	T/T	22		.55							22
23		N N-Dimethylaniline Tech.	"	"	T/C	23		.28							23
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24							24
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15							25
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092	96.11	128.0	133.2				26
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27		.11	136.36	15.2	11.1				27
28		Dinitrotoluene Blend O Tech.	"	"	550# in 55 Gal. Drums	28		.12	108.33	—					28
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29		.11	136.36	0.8	0.6				29
30		2, 4-Dinitrotoluene Tech.	"	S.P.East MTA	250# Wood Barrel	30		.23							30
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70							31
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00							32
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50							33
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63							34
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13							35
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45							36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 sheet or sales tabulation classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)x(7) (8)	Line
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P.East MTA	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal.Dr.T/L	2		.13	115.38	6.3	5.5				2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275							3
4		O-Toluidine Tech.	"	"	T/C	4		.25	112.00	48.8	43.6				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr.T/L	5		.27	111.11	–					5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				702.9	698.1	100.69			8
9	Intermediates Sub-Group Total					9				1095.3	x 1087.8				9
10	Intermediates Group Sample Total					10				1133.7	(x) 1130.4	100.29			10
11	Intermediates Group Total					11				1150.1	x 1146.8				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAC	"	"	425# Drum	13		.22							13
14		Avitex C	"	"	325# Drum T/L	14		.215							14
15		"Duponol" D Paste	"	"	450# Drum	15		.31							15
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	8.0	7.5				16
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	41.1	39.1				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32							18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	19.0	17.3				19
20		"Duponol" WAQ	"	"	T/C	20		.17	108.82	31.3	28.8				20
21		"Duponol" WAQA	"	"	T/T	21		.18	108.33	3.5	3.2				21
22		"Duponol" WAQB	"	"	T/T	22		.18	108.33	11.9	11.0				22
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	12.8	11.9				23
24	Sample Total					24				202.6	193.8	104.54			24
25	Sub-Group Total					25				405.7	x 388.1				25
26	Alcyl Products	"Avitone" A	Lb.	S.P.East MTA	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrovet" R	"	"	455# Drum T/L	29		.265							29
30	Sample Total					30									30
31	Sub-Group Total					31				107.3	x				31
32	Finishing Agents	"Avitex" NA	"	"	375# Drum	32		.47		23.1	x				32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 sheet or sales tabulation classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (numerator) $p_n q_n$ 129 sheet or sales tab. (4)	Current Quantity at December Prices (denominator) $p_{Dec}\, q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6)×(7) (8)	Line
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	S.P.East MTA	360# Drum	1		.42		33.6					1
2		"Tetralin"	"	"	T/T T/C	2		.33	115.15	6.9	6.0				2
3	Sample Total					3				39.9	39.0	102.31			3
4	Sub-Group Total					4				43.6 x	42.6				4
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	S.P.East MTA	250# Drum T/L	5		.225		218.4 x					5
6	Miscellaneous	"Alkanol" 1009	Lb.	S.P.East MTA	5 Gal. Cans	6		.40							6
7		"Alkanol" WXN	"	"	450# Drum	7		.19							7
8		Compound No. 8-S	"	"	500# Drum	8		.21							8
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48							9
10	Sample Total					10									10
11	Sub-Group Total					11				148.8 x					11
12	Repellents Durable	"Zelan" AP Paste	Lb.	S.P.East MTA	350# in 55 Gal.Dr.T/T	12		.895							12
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/T	13		.845							13
14	Sample Total					14									14
15	Sub-Group Total					15				200.8 x					15
16	Resin Products	"Zeset" MC	Lb.	S.P.East MTA	T/T	16		.20	85.00	72.5 x	85.3				16
17	Chemicals Group Sample Total					17				1320.2 (x)	1214.4	100.48			17
18	Chemicals Group Total					18				1263.6 +	1257.6				18
19	50% Elastomer-Orchem Partnership	(Use link relative from Elastomer Form Line 23, p. 2)				19				328.6 +					19
20	50% Grasselli-Orchem Partnership	(Use link relative from Grasselli Form Line 8, p. 3)				20				76.5 +					20
21	Dyes and Chemicals Division Grand Total					21				6304.3 (+)	6297.0	100.12			21
22						22									22
23						23									23
24						24									24
25						25									25
26						26									26
27						27									27
28						28									28
29						29									29
30						30									30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Index: 47–49=100 Current Month $P_{n\ 47-49=100}$ Cols. (6)x(7) (8)	Line
1	"FREON" PRODUCTS					1									1
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	S.P.East MTA	T/C T/T	2		.203							2
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.263							3
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580							4
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645							5
6	Sample Total					6									6
7	"Freon" Products Division Grand Total					7				3789.1 (*)					7
8						8									8
9	PETROLEUM CHEMICALS					9									9
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	S.P.East MTA	400# in 55 Gal. Drum	10		1.11							10
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67							11
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64							12
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735							13
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61							14
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. T/P	15		.64							15
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79	92.18	71.6	77.6				16
17	Sample Total					17				453.7	459.7	98.69			17
18	Group Total					18				601.7	+ 609.7				18
19	TEL					19									19
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Ppd. T/C	20		.4093	99.23	1491.0	1502.6				20
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Ppd. T/C	21		.3735	99.16	9664.5	9746.4				21
22	Sample Total					22				11155.5	11249.0	99.17			22
23	Group Total					23				11156.0	+ 11249.4				23
24	Petroleum Chemicals Division Grand Total					24				11752.7 (*)	11859.1	99.14			24
25						25									25
26						26									26
27	ORGANIC CHEMICALS DEPARTMENT					27									27
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	6304.3	6297.0	100.12	116.3	116.4	28
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	3789.1	3789.1	100.00	109.4	109.4	29
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	11752.7	11859.1	99.14	117.1	116.1	30
31	Organic Chemicals Department Grand Total					31			Cum & SD	21851.1	21945.2	99.57	116.2	115.7	31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF August 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47-49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Index: 47-49=100 Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	LINE
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	S.P.East MTA	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 31	101.76		947.7	935.9				3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21	99.41		535.6	538.6				4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24	—		56.5	56.5				5
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7	99.35		341.5	342.7				6
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13	—		163.4	163.4				7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18	105.15		26.9	25.6				8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 25	—		24.6	24.6				9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 5	—		125.1	125.1				10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30	99.93		163.3	163.4				11
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13	99.95		960.9	961.4				12
13	Dyes Group Sample Total					13				3345.5	3338.4	100.21			13
14	Dyes Group Total					14				3585.2	3577.7				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	85.00	—					16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	42.9	45.4				17
18	Camphor Sample Total					18				42.9	45.4				18
19	Camphor Group Total					19				42.9	45.4				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	S.P.East MTA	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	99.14	5.3	5.5				21
22		N, N-Diethylaniline Tech.	"	"	T/T	22		.55							22
23		N N-Dimethylaniline Tech.	"	"	T/C	23		.28							23
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24							24
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15							25
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092	96.11	142.8	148.6				26
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27	.15	.11	136.36	26.5	15.8				27
28		Dinitrotoluene Blend O Tech.	"	"	550# in 55 Gal. Drums	28		.12	108.33	—	—				28
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29	.15	.11	136.36	4.0	2.9				29
30		2, 4-Dinitrotoluene Tech.	"	S.P.East MTA	250# Wood Barrel	30		.23							30
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70							31
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00							32
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50							33
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63							34
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13							35
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45							36
37						37									37
38						38									38

DUP050062225

VP-14327

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ Cols. (6) x (7) (8)	Line
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P.East MTA	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal.Dr.T/L	2		.13	115.38	5.4	4.7				2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275							3
4		O-Toluidine Tech.	"	"	T/C	4		.25	112.00	68.3	61.0				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr.T/L	5		.27	111.11	—	—				5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				673.7	614.9	101.43			8
9	Intermediates Sub-Group Total					9				1132.2	x 1116.2				9
10	Intermediates Group Sample Total					10				1175.1	(x) 1161.6	101.16			10
11	Intermediates Group Total					11				1189.1	x 1175.5				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAS	"	"	425# Drum	13		.22							13
14		Avitex C	"	"	325# Drum T/L	14		.215							14
15		"Duponol" D Paste	"	"	450# Drum	15		.31							15
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	7.0	6.5				16
17		"Duponol" NE Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	37.7	35.9				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32							18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	26.2	23.8				19
20		"Duponol" WAC	"	"	T/C	20		.17	108.82	20.1	19.5				20
21		"Duponol" WACA	"	"	T/T	21		.18	108.33	6.9	6.4				21
22		"Duponol" WACB	"	"	T/T	22		.18	108.33	32.3	29.8				22
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	10.4	9.7				23
24	Sample Total					24				225.8	215.8	104.63			24
25	Sub-Group Total					25				315.1	x 301.2				25
26	Alsyl Products	"Avitone" A	Lb.	S.P.East MTA	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrowet" R	"	"	455# Drum T/T	29		.265							29
30	Sample Total					30									30
31	Sub-Group Total					31				86.5 x					31
32	Finishing Agents	"Avitex" KA	"	"	375# Drum	32		.47		35.9 x					32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

DUP050062226

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6) x (7) (8)	LINE
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	S.P.East M.A	360# Drum	1		.42		20.6					1
2		"Tetralin"	"	"	T/T T/C	2	38	.33	115.15	6.9	6.0				2
3	Sample Total					3				27.5	26.6	103.38			3
4	Sub-Group Total					4				29.1 x	28.1				4
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	S.P.East M.A	250# Drum T/L	5		.225		231.4 x					5
6	Miscellaneous	"Alkanol" 1000	Lb.	S.P.East M.A	5 Gal. Cans	6		.40							6
7		"Alkanol" WXN	"	"	450# Drum	7		.19							7
8		Compound No. 8-S	"	"	500# Drum	8		.21							8
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48							9
10	Sample Total					10									10
11	Sub-Group Total					11				127.9 x					11
12	Repellents Durable	"Zelan" AP Paste	Lb.	S.P.East M.A	350# in 55 Gal.Dr.T/L	12		.805							12
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/L	13		.845							13
14	Sample Total					14									14
15	Sub-Group Total					15				264.9 x					15
16	Resin Products	"Zeset" NC	Lb.	S.P.East M.A	T/T	16		.20	85.00	79.7 x	93.8				16
17	Chemicals Group Sample Total					17				1170.5 (x)	1169.7	100.07			17
18	Chemicals Group Total					18				1203.5 +	1202.7				18
19	50% Elastomer-Orchem Partnership (Use link relative from Elastomer Form Line 23, p. 2)					19			—	4.144 +					19
20	50% Gresselli-Orchem Partnership (Use link relative from Gresselli Form Line 8, p. 3)					20			—	78.0 +					20
21	Dyes and Chemicals Division Grand Total					21				6470.2 (x)	6448.3				21
22						22									22
23						23									23
24						24									24
25						25									25
26						26									26
27						27									27
28						28									28
29						29									29
30						30									30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

DUP050062227

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Index: 47–49=100 Current Month $P_{n\ 47-49=100}$ cols. (6) x (7) (8)	LINE
1	"FREON" PRODUCTS					1									1
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	MTA S.P.East	T/C T/T	2		.203							2
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.263							3
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580							4
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645							5
6	Sample Total					6									6
7	"Freon" Products Division Grand Total					7				3830.6(*)					7
8						8									8
9	PETROLEUM CHEMICALS					9									9
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	MTA S.P.East	400# in 55 Gal. Drum	10		1.11							10
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67							11
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64							12
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735							13
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61							14
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. T/P	15		.64							15
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16	1.65	1.79	99.19	45.8	49.7				16
17	Sample Total					17				424.7	428.6	99.09			17
18	Group Total					18				544.1	549.1				18
19	TEL					19									19
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Ppd. T/C	20		.4093	99.23	1468.3	1480.7				20
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Ppd. T/C	21		.3735	99.16	10574.0	10663.6				21
22	Sample Total					22				12043.3	12144.3	99.17			22
23	Group Total					23				12044.1	12144.9				23
24	Petroleum Chemicals Division Grand Total					24				12588.2(*)	12694.0	99.17			24
25						25									25
26						26									26
27	ORGANIC CHEMICALS DEPARTMENT					27									27
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	6470.2	6448.3	100.33	116.3	116.7	28
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	3830.6	3830.6	100.00	109.4	109.4	29
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	12588.2	12694.0	99.17	117.1	116.1	30
31	Organic Chemicals Department Grand Total					31			Cum & SD	22889.0	22972.9	99.63	116.2	115.8	31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

DUP050062228

ORGANIC CHEMICALS DEPARTMENT MONTH OF January 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n (Operating Department) (1)	Preceding December p_{Dec} (Operating Department) (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator): $p_n q_n$ (129 Sheet or Sales Tab.) (4)	Current Quantity at December Prices (Denominator): $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Index: 47–49=100 Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	Line
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	MTA S.P.East	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 31		101.19	735.0	730.3				3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21		99.30	474.4	477.7				4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24		100.00	128.4	128.4				5
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7		99.36	223.2	224.8				6
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13		100.00	113.3	113.3				7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18		104.90	32.4	30.9				8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26		100.00	25.5	25.5				9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 6		100.00	92.5	92.5				10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30		99.04	72.4	73.1				11
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13		100.98	848.4	840.2				12
13	Dyes Group Sample Total					13				2749.5	2736.7	100.47			13
14	Dyes Group Total					14				2985.5	2971.5				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	85.00	7.3	8.6				16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	20.6	21.8				17
18	Camphor Sample Total					18				27.9	30.4	91.78			18
19	Camphor Group Total					19				27.9	30.4				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	MTA S.P.East	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	8.6	8.9				21
22		N. N-Diethylaniline Tech.	"	"	T/T	22		.55							22
23		N N-Dimethylaniline Tech.	"	"	T/C	23		.28							23
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24							24
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15							25
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092	96.11	105.9	110.2				26
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27		.11	118.18	19.3	16.3				27
28		Dinitrotoluene Blend O Tech.	"	"	550# in 55 Gal. Drums	28		.12	108.33	–					28
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29		.11	118.18	–					29
30		2, 4-Dinitrotoluene Tech.	"	MTA S.P.East	250# Wood Barrel	30		.23							30
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70							31
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00							32
33		Alpha-Nephthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50							33
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63							34
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13							35
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45							36
37						37									37
38						38									38

DUP050062229

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (120 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100: Preceding December P_{Dec} 47–49=100 Economist's Office (7)	Current Month P_n 47–49=100 cols. (6)x(7) (8)	LINE
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P.East MTA	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal. Dr. T/L	2		.13	115.38	5.0	4.3				2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275							3
4		O-Toluidine Tech.	"	"	T/C	4		.25	112.00	149.8	133.8				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr. T/L	5		.27	111.11	—					5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				630.8	615.7	102.45			8
9	Intermediates Sub-Group Total					9				950.1	x 966.4				9
10	Intermediates Group Sample Total					10				1018.0	(x) 996.8	102.13			10
11	Intermediates Group Total					11				1034.7	* 1013.1				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAC	"	"	425# Drum	13		.22							13
14		Avitex C	"	"	325# Drum T/L	14		.215							14
15		"Duponol" D Paste	"	"	450# Drum	15		.31							15
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	20.2	18.9				16
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	30.8	29.3				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32							18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	20.1	18.3				19
20		"Duponol" WAQ	"	"	T/C	20		.17	108.82	30.3	27.8				20
21		"Duponol" WAQA	"	"	T/T	21		.18	108.33	1.7	6.2				21
22		"Duponol" WAQB	"	"	T/T	22		.18	108.33	12.2	11.3				22
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	2.1	2.0				23
24	Sample Total					24				187.5	178.9	104.81			24
25	Sub-Group Total					25				353.0	x 336.8				25
26	Alsyl Products	"Avitone" A	Lb.	S.P.East MTA	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrowet" R	"	"	455# Drum T/L	29		.265							29
30	Sample Total					30									30
31	Sub-Group Total					31				72.5 x					31
32	Finishing Agents	"Avitex" KA	"	"	375# Drum	32		.47		25.3 x					32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

DUP050062230

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 sheet or sales tabulation classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 sheet or sales tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47-49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)x(7) (8)	Line
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	MTA S.P.East	360# Drum	1		.42							1
2		"Tetralin"	"	"	T/T T/C	2		.33							2
3	Sample Total					3									3
4	Sub-Group Total					4				14.4 x					4
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	MTA S.P.East	250# Drum T/L	5		.225		150.2 x					5
6	Miscellaneous	"Alkanol" 1009	Lb.	MTA S.P.East	5 Gal. Cans	6		.40							6
7		"Alkanol" WXN	"	"	450# Drum	7		.19							7
8		Compound No. 8-S	"	"	500# Drum	8		.21							8
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48							9
10	Sample Total					10									10
11	Sub-Group Total					11				1267 x					11
12	Repellents Durable	"Zelan" AP Paste	Lb.	MTA S.P.East	350# in 55 Gal.Dr.T/T	12		.895							12
13		"Zelan" PF	"	"	350# in 55 Gal.Dr.T/T	13		.845							13
14	Sample Total					14									14
15	Sub-Group Total					15				200.5 x					15
16	Resin Products	"Zeset" MC	Lb.	MTA S.P.East	T/T	16		.20	85.00	72.3 x	85.1				16
17	Chemicals Group Sample Total					17				10149 (x)	10115	100.34			17
18	Chemicals Group Total					18				10476 (x)	10441				18
19	50% Elastomer-Orchem Partnership	(Use link relative from Elastomer Form Line 23, p. 2)				19				372.6 +					19
20	50% Grasselli-Orchem Partnership	(Use link relative from Grasselli Form Line 8, p. 3)				20				1346 +					20
21	Dyes and Chemicals Division Grand Total					21				5575.0 (x)	5535.9	100.71	✓ OK		21
22						22									22
23						23									23
24						24									24
25						25									25
26						26									26
27						27									27
28						28									28
29						29									29
30						30									30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

DUP050062231

VP-1537

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959
Page 4 of 4 Pages

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Link Relat. $\frac{p_n}{p_{Dec}}$ Cols. (6)
1	"FREON" PRODUCTS					1						
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	MTA S.P.East	T/C T/T	2		.203				
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.263				
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580				
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645				
6	Sample Total					6						
7	"Freon" Products Division Grand Total					7				3961.4 (*)		
8						8						
9	PETROLEUM CHEMICALS					9						
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	MTA S.P.East	400# in 55 Gal. Drum	10		1.11				
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67				
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64				
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735				
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61				
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. Drum	15		.64				
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79				
17	Sample Total					17						
18	Group Total					18				552.5		
19	TEL					19						
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Ppd. T/C	20		.4093	99.23	1581.8	1594.1	
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Ppd. T/C	21		.3735	99.16	9823.2	9906.4	
22	Sample Total					22				11405.0	11500.5	99.
23	Group Total					23				11413.3 (*)	11508.8	
24	Petroleum Chemicals Division Grand Total					24				11965.8 (*)	12061.3	99.
25						25						
26						26						
27	ORGANIC CHEMICALS DEPARTMENT					27						
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum ✓	5575.0	5535.9	100.
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	3961.4	3961.4	100.
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	11965.8	12061.1	99.
31	Organic Chemicals Department Grand Total					31			Cum & SUM	21,502.2	21,558.4	99.
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

DUP050062232

VP-1007

ORGANIC CHEMICALS DEPARTMENT MONTH OF June 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Index: 47–49=100 Current Month $P_{n\ 47-49=100}$ Cols. (6)x(7) (8)	LINE
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	S.P.East MTA	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 11	100.55	100.14	1000.14	994.9				3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21	99.26		637.2	642.0				4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24	100.00		52.6	52.6				5
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7	98.84		769.7	772.9				6
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13	100.00		138.0	138.0				7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18	100.00		65.5	65.5				8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26	100.00		23.4	23.4				9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 6	100.00		140.7	140.7				10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30	99.71		124.0	124.4				11
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13	99.42		1146.3	1153.0				12
13	Dyes Group Sample Total					13				3597.8	3607.4	99.73			13
14	Dyes Group Total					14				3840.3	3850.7				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	85.00	16.5	19.4				16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	11.5	12.2				17
18	Camphor Sample Total					18				28.0	31.6	88.61			18
19	Camphor Group Total					19				30.4	34.3				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	S.P.East MTA	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	17.2	17.8				21
22		N, N-Diethylaniline Tech.	"	"	T/T	22		.55							22
23		N N-Dimethylaniline Tech.	"	"	T/C	23		.28							23
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24							24
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15							25
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092	96.11	12.2	12.1				26
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27		.11	118.18	22.2	18.8				27
28		Dinitrotoluene Blend O Tech.	"	"	550# in 55 Gal. Drums	28		.12	108.33	—					28
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29		.11	118.18	—					29
30		2, 4-Dinitrotoluene Tech.	"	S.P.East MTA	250# Wood Barrel	30		.23							30
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70							31
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00							32
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50							33
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63							34
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13							35
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45							36
37						37									37
38						38									38

DUP050062233

VP-10227

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December P_{Dec} 47–49=100 Economist's Office (7)	Current Month P_n 47–49=100 Cols. (6) x (7) (8)	Line
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P. East NEA	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal. Dr. T/L	2		.13	115.38	10.0	8.7				2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275							3
4		O-Toluidine Tech.	"	"	T/C	4		.25	112.00	94.1	84.0				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr. T/L	5		.27	111.11	—	—				5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				684.2	674.8	101.39			8
9	Intermediates Sub-Group Total					9				1160.8	x 1144.9				9
10	Intermediates Group Sample Total					10				1191.2	(x) 1179.2	101.02			10
11	Intermediates Group Total					11				1223.2	1210.8				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAC	"	"	425# Drum	13		.22							13
14		Avitex C	"	"	325# Drum T/L	14		.215							14
15		"Duponol" D Paste	"	"	450# Drum	15		.31							15
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	4.5	4.2				16
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	28.2	26.8				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32							18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	28.2	26.5				19
20		"Duponol" WAC	"	"	T/C	20		.17	108.82	40.4	37.1				20
21		"Duponol" WAQA	"	"	T/T	21		.18	108.33	8.2	7.6				21
22		"Duponol" WAQB	"	"	T/T	22		.18	108.33	23.1	21.3				22
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	8.6	8.0				23
24	Sample Total					24				216.7	206.0	105.19			24
25	Sub-Group Total					25				303.5	x 298.5				25
26	Alsyl Products	"Avitone" A	Lb.	S.P. East NEA	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrovet" R	"	"	455# Drum T/T	29		.265							29
30	Sample Total					30									30
31	Sub-Group Total					31				96.4	x				31
32	Finishing Agents	"Avitex" EA	"	"	375# Drum	32		.47		45.5	x				32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

DUP050062234

WP-10317

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6)×(7) (8)	LINE
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	MTA S.P.East	360# Drum	1		.42							1
2		"Tetralin"	"	"	T/T T/C	2		.33							2
3	Sample Total					3									3
4	Sub-Group Total					4				17.8 x					4
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	MTA S.P.East	250# Drum T/L	5		.225		235.5 x					5
6	Miscellaneous	"Alkanol" 1009	Lb.	MTA S.P.East	5 Gal. Cans	6		.40							6
7		"Alkanol" WXN	"	"	450# Drum	7		.19							7
8		Compound No. 8-S	"	"	500# Drum	8		.21							8
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48							9
10	Sample Total					10									10
11	Sub-Group Total					11				143.9 x					11
12	Repellents Durable	"Zelan" AP Paste	Lb.	MTA S.P.East	350# in 55 Gal.Dr.T/L	12		.895							12
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/L	13		.845							13
14	Sample Total					14									14
15	Sub-Group Total					15				263.4 x					15
16	Resin Products	"Zeset" MC	Lb.	MTA S.P.East	T/T	16		.20	85.00	103.4 x	121.3				16
17	Chemicals Group Sample Total					17				1009.1 (x)	1012.3	99.74			17
18	Chemicals Group Total					18				1749.6	1755.9				18
19	50% Elastomer-Orchem Partnership (Use link relative from Elastomer Form Line 23, p. 2)					19				534.5					19
20	50% Grasselli-Orchem Partnership (Use link relative from Grasselli Form Line 8, p. 3)					20				74.4					20
21	Dyes and Chemicals Division Grand Total					21				6921.8 (x)	6993.1	99.98			21
22						22									22
23						23									23
24						24									24
25						25									25
26						26									26
27						27									27
28						28									28
29						29									29
30						30									30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

DUP050062235

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Link Relat. $\frac{p_n q_n}{p_{Dec}}$ Cols. (6)
1	"FREON" PRODUCTS					1						
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	MTA S.P.-East	T/C T/T	2		.203				
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.263				
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580				
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645				
6	Sample Total					6						
7	"Freon" Products Division Grand Total					7				4521.3(4)		
8						8						
9	PETROLEUM CHEMICALS					9						
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	MTA S.P.-East	400# in 55 Gal. Drum	10		1.11				
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67				
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64				
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735				
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61				
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. I/P	15		.64				
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79				
17	Sample Total					17						
18	Group Total					18				627.2		
19	TEL					19						
20	Aviation Mix	Aviation Mix	Lb.	S.P.-East	Frt. Prd. T/C	20		.4093	99.23	1807.6	1916.6	
21	Motor Mix	Motor Mix	Lb.	S.P.-East	Frt. Prd. T/C	21		.3735	99.16	10169.6	10255.7	
22	Sample Total					22				11977.3	12077.3	
23	Group Total					23				11977.3	12077.3	
24	Petroleum Chemicals Division Grand Total					24				12599.5	12699.5	99.2
25						25						
26						26						
27	ORGANIC CHEMICALS DEPARTMENT					27						
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	6921.8	6973.1	99.
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	4521.3	4521.3	100.
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	12599.5	12699.5	99.
31	Organic Chemicals Department Grand Total					31			Cum & Sh	24042.6	24143.9	99.
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

DUP050062236

ORGANIC CHEMICALS DEPARTMENT MONTH OF May 1959

Page 1 of 4 Pages

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total D Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)
1	DYES AND CHEMICALS					1						
2	Dyes					2						
3	Azo	(232 Specific dyes are used as	Lb.	MTA S.P.East	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 21		100.00	953.9	849.7	
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21		100.00	539.2	539.2	
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24		100.00	78.1	78.1	
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7		99.37	327.6	329.7	
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13		100.00	127.0	127.0	
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18		100.51	41.4	41.2	
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26		100.00	27.0	27.0	
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 6		100.00	93.2	93.2	
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30		100.00	101.5	101.5	
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13		99.79	1105.6	1107.9	
13	Dyes Group Sample Total					13				3294.5	3294.5	100.00
14	Dyes Group Total					14				3542.0	3546.0	
15	Intermediates					15						
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	85.00	32.4	38.1	
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	56.2	59.5	
18	Camphor Sample Total					18				88.6	97.6	
19	Camphor Group Total					19				88.7	97.7	
20	Intermediates	M-Chloroaniline S Tech.	Lb.	MTA S.P.East	T/C	20		.73				
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	19.1	19.7	
22		N, N-Diethylaniline Tech.	"	"	T/T	22		.55				
23		N N-Dimethylaniline Tech.	"	"	T/C	23		.28				
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24				
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15				
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092	96.11	116.6	121.3	
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27		.11	118.18	22.4	19.0	
28		Dinitrotoluene Blend O Tech.	"	"	550# in 55 Gal. Drums	28		.12	108.33	—	—	
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29		.11	118.18	3.9	3.3	
30		2, 4-Dinitrotoluene Tech.	"	MTA S.P.East	250# Wood Barrel	30		.23				
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70				
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00				
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50				
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63				
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13				
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45				
37						37						
38						38						

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VP-18127

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (1)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6) x (7) (8)	LINE
1		P-Nitro Sodium Phenolate Tech.	Lb.	MFA S.P.East	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal.Dr.T/L	2		.13	115.38	27	23				2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/D	3		.275							3
4		O-Toluidine Tech.	"	"	T/C	4		.25	112.00	62.0	55.4				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr.T/L	5		.27	111.11	—	—				5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				699.0	693.3	100.82			8
9	Intermediates Sub-Group Total					9				1165.9	x 1156.4				9
10	Intermediates Group Sample Total					10				1254.6	(x) 1254.1	100.04			10
11	Intermediates Group Total					11				1255.0	x 1254.5				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAQ	"	"	425# Drum	13		.22							13
14		Avitex C	"	"	325# Drum T/L	14		.215							14
15		"Duponol" D Paste	"	"	450# Drum	15		.31							15
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	17.0	15.9				16
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	32.9	31.3				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32							18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	24.9	22.6				19
20		"Duponol" WAQ	"	"	T/C	20		.17	108.82	26.1	24.0				20
21		"Duponol" WAQA	"	"	T/T	21		.18	108.33	9.0	8.3				21
22		"Duponol" WAQB	"	"	T/T	22		.18	108.33	27.1	25.0				22
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	9.0	8.4				23
24	Sample Total					24				210.9	200.4	105.24			24
25	Sub-Group Total					25				367.9	x 344.8				25
26	Alsyl Products	"Avitone" A	Lb.	MFA S.P.East	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrowet" R	"	"	455# Drum T/L	29		.265							29
30	Sample Total					30									30
31	Sub-Group Total					31				97.8	x				31
32	Finishing Agents	"Avitex" NA	"	"	375# Drum	32		.47		30.0	x				32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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VP-18227

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

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MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	To… Re… $\frac{p}{p}$ co…
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	S.P.East MTA	360# Drum	1		.42				
2		"Tetralin"	"	"	T/T T/C	2		.33				
3	Sample Total					3						
4	Sub-Group Total					4				40.4 x		
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	S.P.East MTA	250# Drum T/L	5		.225		211.6 x		
6	Miscellaneous	"Alkanol" 1009	Lb.	S.P.East MTA	3 Gal. Cans	6		.40				
7		"Alkanol" WXN	"	"	450# Drum	7		.19				
8		Compound No. 8-S	"	"	500# Drum	8		.21				
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48				
10	Sample Total					10						
11	Sub-Group Total					11				146.7 x		
12	Repellents Durable	"Zelan" AP Paste	Lb.	S.P.East MTA	350# in 55 Gal.Dr.T/L	12		.895				
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/L	13		.845				
14	Sample Total					14						
15	Sub-Group Total					15				269.5 x		
16	Resin Products	"Zeset" MC	Lb.	S.P.East MTA	T/T	16		.20	85.00	93.6 x	110.1	
17	Chemicals Group Sample Total					17				1251.5 (x)	1249.9	10
18	Chemicals Group Total					18				1294.0 +	1292.3	
19	50% Elastomer-Orchem Partnership (Use link relative from Elastomer Form Line 23, p. 2)					19				381.8 +		
20	50% Grasselli-Orchem Partnership (Use link relative from Grasselli Form Line 8, p. 3)					20				50.0 +		
21	Dyes and Chemicals Division Grand Total					21				6542.8 (+)	6540.6	10
22						22						
23						23						
24						24						
25						25						
26						26						
27						27						
28						28						
29						29						
30						30						
31						31						
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n (Operating Department) (1)	Preceding December p_{Dec} (Operating Department) (2)	Price Relative $\frac{p_n}{p_{Dec}}$ (Cols. (1)/(2)) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ (129 Sheet or Sales Tab.) (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ (Cols. (4)/(3)) (5)	Total Link Relatives $\frac{p_n}{p_{Dec}}$ (Cols. (6)
1	"FREON" PRODUCTS					1						
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	S.P.East MTA	T/C T/T	2		.203				
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.253				
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580				
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645				
6	Sample Total					6						
7	"Freon" Products Division Grand Total					7				4470.5(*)		
8						8						
9	PETROLEUM CHEMICALS					9						
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	S.P.East MTA	400# in 55 Gal. Drum	10		1.11				
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67				
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64				
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735				
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61				
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. L/P	15		.64				
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79				
17	Sample Total					17						
18	Group Total					18				590.1 *		
19	TEL					19						
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Pod. T/C	20		.4093	99.23	1189.1	1198.3	
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Pod. T/C	21		.3735	99.16	9925.0	9917.5	
22	Sample Total					22				10974.1	11015.8	99
23	Group Total					23				10952.5	11044.2	
24	Petroleum Chemicals Division Grand Total					24				11542.6(*)	11634.3	
25						25						
26						26						
27	ORGANIC CHEMICALS DEPARTMENT					27						
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	6592.8	6540.6	100
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	4470.5	4470.5	100
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	11542.6	11634.3	9
31	Organic Chemicals Department Grand Total					31			Cum & SD	22555.9	22645.4	9
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

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ORGANIC CHEMICALS DEPARTMENT MONTH OF April 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ Cols. (4)/(5) (6)	Index: 47-49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)x(7) (8)	Line
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	S.P.East MTA	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 31			851.2	843.6	100.90			3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21			586.1	586.1	100.00			4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24			117.9	117.9	100.00			5
6	"Nonastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7			359.4	360.2	99.78			6
7	Fontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13			179.3	179.3	100.00			7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18			40.2	39.9	100.64			8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26			28.3	28.3	100.00			9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 6			111.7	111.7	100.00			10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 20			118.2	118.2	100.00			11
12	Vats ("Fonsol")		"	"	"	12	Dye Form, P. 7, Line 13			1011.0	1013.9	99.71			12
13	Dyes Group Sample Total					13				3348.3	3344.1	100.13			13
14	Dyes Group Total					14				3572.8	3568.2				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	85.00	35.7	42.0				16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	57.2	60.6				17
18	Camphor Sample Total					18				92.9	102.6				18
19	Camphor Group Total					19				92.9	102.6				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	S.P.East MTA	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	6.1	6.3				21
22		N, N-Diethylaniline Tech.	"	"	T/T	22		.55							22
23		N N-Dimethylaniline Tech.	"	"	T/C	23		.28							23
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24							24
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15							25
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26	.0884	.092	96.11	112.1	116.6				26
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27	.13	.11	118.18	—	—				27
28		Dinitrotoluene Blend O Tech.	"	"	550# in 55 Gal. Drums	28	.13	.12	108.33	5.3	4.9				28
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29	.13	.11	118.18	7.7	6.5				29
30		2, 4-Dinitrotoluene Tech.	"	S.P.East MTA	250# Wood Barrel	30		.23							30
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70							31
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00							32
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50							33
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63							34
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13							35
36		P-Nitrorhecol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45							36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)×(7) (8)	Line
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P.East MTA	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal. Dr. T/L	2		.13	115.38	4.9	4.2				2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275							3
4		O-Toluidine Tech.	"	"	T/C	4		.25	117.00	69.0	61.6				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr. T/L	5		.27	111.1	—	—				5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				564.7	559.5	100.93			8
9	Intermediates Sub-Group Total					9				1080.1	x 1070.1				9
10	Intermediates Group Sample Total					10				1173.0	(x) 1172.9	100.03			10
11	Intermediates Group Total					11				1215.6	x 1215.2				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAQ	"	"	425# Drum	13		.22							13
14		Avitex C	"	"	325# Drum T/L	14		.215							14
15		"Duponol" D Paste	"	"	450# Drum	15		.31							15
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	14.7	13.7				16
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	41.7	39.7				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32							18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	22.3	20.3				19
20		"Duponol" WAQ	"	"	T/C	20		.17	108.82	51.3	47.1				20
21		"Duponol" WAGA	"	"	T/T	21		.18	108.33	16.0	14.8				21
22		"Duponol" WAGB	"	"	T/T	22		.18	108.33	29.5	27.2				22
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	2.5	2.3				23
24	Sample Total					24				258.7	237.8	105.42			24
25	Sub-Group Total					25				363.2	x 344.5				25
26	Alsyl Products	"Avitone" A	Lb.	S.P.East MTA	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrowet" R	"	"	455# Drum T/L	29		.255							29
30	Sample Total					30									30
31	Sub-Group Total					31				103.0	x				31
32	Finishing Agents	"Avitex" KA	"	"	375# Drum	32		.47		33.0	x				32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Link Relati $\frac{p_n q}{p_{Dec} q}$ cols. (6)
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	S.P.East NTA	360# Drum	1		.42				
2		"Tetralin"	"	"	T/T T/C	2		.33				
3	Sample Total					3						
4	Sub-Group Total					4				36.0 x		
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	S.P.East NTA	250# Drum T/L	5		.225		211.3 x		
6	Miscellaneous	"Alkanol" 1009	Lb.	S.P.East NTA	5 Gal. Cans	6		.40				
7		"Alkanol" WXN	"	"	450# Drum	7		.19				
8		Compound No. 8-S	"	"	500# Drum	8		.21				
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48				
10	Sample Total					10						
11	Sub-Group Total					11				135.3 x		
12	Repellents Durable	"Zelan" AP Paste	Lb.	S.P.East NTA	350# in 55 Gal.Dr.T/T	12		.805				
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/T	13		.845				
14	Sample Total					14						
15	Sub-Group Total					15				280.9 x		
16	Resin Products	"Zeset" MC	Lb.	S.P.East NTA	T/T	16		.20	85.00	86.6 x	101.9	
17	Chemicals Group Sample Total					17				1749.3 (x)	1745.9	100.
18	Chemicals Group Total					18				1788.5 +	1786.0	
19	50% Elastomer-Orchem Partnership	(Use link relative from Elastomer Form Line 23, p. 2)				19				444.1 +		
20	50% Cresselli-Orchem Partnership	(Use link relative from Cresselli Form Line 8, p. 3)				20				77.2 +		
21	Dyes and Chemicals Division Grand Total					21				6608.2 +	6599.7	
22						22						
23						23						
24						24						
25						25						
26						26						
27						27						
28						28						
29						29						
30						30						
31						31						
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

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MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(5) (5)
1	"FREON" PRODUCTS					1					
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	MTA S.P.East	T/C T/T	2		.203			
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.263			
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580			
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645			
6	Sample Total					6					
7	"Freon" Products Division Grand Total					7				46248 (+)	
8						8					
9	PETROLEUM CHEMICALS					9					
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	MTA S.P.East	400# in 55 Gal. Drum	10		1.11			
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67			
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64			
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735			
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61			
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. L/P	15		.64			
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79			
17	Sample Total					17					
18	Group Total					18				57446 +	
19	TEL					19					
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Ppd. T/C	20		.4093	99.23	1686.0	1699.1
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Ppd. T/C	21		.3735	99.16	8463.0	8534.7
22	Sample Total					22				10149.0	10233.8
23	Group Total					23				10206.4 +	10291.8
24	Petroleum Chemicals Division Grand Total					24				10781.0 (+)	10866.4
25						25					
26						26					
27	ORGANIC CHEMICALS DEPARTMENT					27					
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	6608.2	6599.7
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	46248	46248
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	10781.0	10866.4
31	Organic Chemicals Department Grand Total					31			Cum & Sp.	77 0140	77 0090.9
32						32					
33						33					
34						34					
35						35					
36						36					
37						37					
38						38					

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ORGANIC CHEMICALS DEPARTMENT MONTH OF March 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\,47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (4)/(3)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Index: 47–49=100 Current Month $P_{n\,47-49=100}$ Cols. (6)x(7) (8)	Line
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	MTA S.P.East	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 31			759.7					3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21			525.6					4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24			9.8					5
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7			294.9					6
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13			99.3					7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18			36.5					8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26			24.4					9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 6			110.0					10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30			87.9					11
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13			947.3	950.4	99.67			12
13	Dyes Group Sample Total					13				2895.4	2898.5	99.89			13
14	Dyes Group Total					14				3073.7	3079.1				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48	85.09	18.4	21.6				16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531	94.44	32.3	34.2				17
18	Camphor Sample Total					18				50.7	55.8	90.86			18
19	Camphor Group Total					19				49.1	54.0				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	MTA S.P.East	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	16.8	17.3				21
22		N. N-Diethylaniline Tech.	"	"	T/T	22		.55							22
23		N N-Dimethylaniline Tech.	"	"	T/C	23		.28							23
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24							24
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15							25
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092							26
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27		.11							27
28		Dinitrotoluene Blend Q Tech.	"	"	550# in 55 Gal. Drums	28		.12							28
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29		.11	75.82	8.2	10.8				29
30		2, 4-Dinitrotoluene Tech.	"	MTA S.P.East	250# Wood Barrel	30		.23							30
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70							31
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00							32
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50							33
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63							34
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35		.13							35
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45							36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6) x (7) (8)	LINE
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P.East MTA	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal.Dr.T/L	2		.13	115.38	1.2	1.0				2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275							3
4		O-Toluidine Tech.	"	"	T/C	4		.25	112.00	42.3	37.8				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr.T/L	5		.27	111.11	0.3	0.3				5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				606.7	605.1	100.26			8
9	Intermediates Sub-Group Total					9				1024.3 x	1021.6				9
10	Intermediates Group Sample Total					10				1073.4 (x)	1075.6	99.80			10
11	Intermediates Group Total					11				1107.5 +	1109.7				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAC	"	"	425# Drum	13		.22		7.9					13
14		Avitex C	"	"	325# Drum T/T.	14		.215		5.8					14
15		"Duponol" D Paste	"	"	450# Drum	15		.31		16.3					15
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	3.7	3.5				16
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17		.78	105.13	24.5	23.3				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32		33.6					18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19		.20	110.00	22.0	20.9				19
20		"Duponol" WAC	"	"	T/C	20		.17	108.82	41.4	38.0				20
21		"Duponol" WACA	"	"	T/T	21		.18	108.33	3.7	3.4				21
22		"Duponol" WA2B	"	"	T/T	22		.18	108.33	31.0	28.6				22
23		"Duponol" WAT	"	"	425# Drum	23		.28	107.14	2.1	2.0				23
24	Sample Total					24				193.0	183.3	105.29			24
25	Sub-Group Total					25				308.3 x	297.8				25
26	Alkyl Products	"Avitone" A	Lb.	S.P.East MTA	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrovet" R	"	"	455# Drum T/T	29		.265							29
30	Sample Total					30									30
31	Sub-Group Total					31				71.0 x					31
32	Finishing Agents	"Avitex" BA	"	"	375# Drum	32		.47		27.1 x					32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6)×(7) (8)	Line
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	S.P.East MTA	360# Drum	1		.42							1
2		"Tetralin"	"	"	T/T T/C	2		.33							2
3	Sample Total					3									3
4	Sub-Group Total					4				48.7 x					4
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	S.P.East MTA	250# Drum T/L	5		.225		208.2 x					5
6	Miscellaneous	"Alkanol" 1009	Lb.	S.P.East MTA	5 Gal. Cans	6		.40							6
7		"Alkanol" WXN	"	"	450# Drum	7		.19							7
8		Compound No. 8-S	"	"	500# Drum	8		.21							8
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48							9
10	Sample Total					10									10
11	Sub-Group Total					11				135.1 x					11
12	Repellents Durable	"Zelan" AP Paste	Lb.	S.P.East MTA	350# in 55 Gal.Dr.T/L	12		.805							12
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/L	13		.845							13
14	Sample Total					14									14
15	Sub-Group Total					15				237.5 x					15
16	Resin Products	"Zeset" MC	Lb.	S.P.East MTA	T/T	16	.17	.20	85.00	70.2 x	82.6				16
17	Chemicals Group Sample Total					17				1107.1 (x)	1104.0	100.28			17
18	Chemicals Group Total					18				1137.2	1134.0				18
19	50% Elastomer-Orchem Partnership (Use link relative from Elastomer Form Line 23, p. 2)					19				475.1					19
20	50% Grasselli-Orchem Partnership (Use link relative from Grasselli Form Line 8, p. 3)					20				144.5					20
21	Dyes and Chemicals Division Grand Total					21				5938.0	5940.4	99.96			21
22						22									22
23						23									23
24						24									24
25						25									25
26						26									26
27						27									27
28						28									28
29						29									29
30						30									30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

DUP050062247

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Link Rela $\frac{p_n}{p_{Dec}}$ Cols. (6)
1	"FREON" PRODUCTS					1						
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	S.P.East MTA	T/C T/T	2		.203				
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.253				
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580				
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645				
6	Sample Total					6						
7	"Freon" Products Division Grand Total					7				3420.4 (*)		
8						8						
9	PETROLEUM CHEMICALS					9						
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	S.P.East MTA	400# in 55 Gal. Drum	10		1.11				
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67				
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.54				
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735				
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61				
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. D/P	15		.64				
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79				
17	Sample Total					17						
18	Group Total					18				691.2 *		
19	TEL					19						
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Ppd. T/C	20	.40616	.4093	99.23	1536.1	1548.0	
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Ppd. T/C	21	.37035	.3735	99.16	8428.1	8499.5	
22	Sample Total					22				9964.2	10047.5	99.1
23	Group Total					23				10021.1 *	10105.0	
24	Petroleum Chemicals Division Grand Total					24				10707.3 (*)	10796.2	99.
25						25						
26						26						
27	ORGANIC CHEMICALS DEPARTMENT					27						
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	5938.0	5940.4	99
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	3420.4	3420.4	100
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	10707.3	10796.2	99
31	Organic Chemicals Department Grand Total					31			Cum & SD	20060.7	20147.0	99
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 7/8 1959

Page 1 of 4 Pages

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} : \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Index: 47–49=100 Current Month $P_{n\,47-49=100}$ Cols. (6)×(7) (8)	LINE
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	MTA S.P.East	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 31			855.5					3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21			545.2					4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24			1-9.8					5
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7			313.8					6
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13			147.2					7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18			26.0					8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26			30.4					9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 6			149.2					10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 30			120.0					11
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13			1178.1	1131.0	98.74			12
13	Dyes Group Sample Total					13				3475.2	3478.1	99.92			13
14	Dyes Group Total					14				3696.9	3699.9				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16	.408	.48	85.00	36.0	42.4				16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17	.5015	.531	94.44	55.1	58.3				17
18	Camphor Sample Total					18				91.1	100.7				18
19	Camphor Group Total					19				91.1	100.7				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	MTA S.P.East	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21		.0875	97.14	16.0	16.5				21
22		O-Dianisidine Tech.	"	"	200# in 55 Gal. L/P	22		2.00							22
23		N, N-Diethylaniline Tech.	"	"	T/T	23		.55							23
24		N N-Dimethylaniline Tech.	"	"	T/C	24		.28							24
25		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	25		.24							25
26		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	26		.15							26
27		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	27		.092							27
28		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	28		.11							28
29		Dinitrotoluene Blend O Tech.	"	"	550# " " " "	29		.12							29
30		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	30		.11	75.82	3.7	4.9				30
31		2, 4-Dinitrotoluene Tech.	"	MTA S.P.East	250# Wood Barrel	31		.23							31
32		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	32		.70							32
33		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	33		1.00							33
34		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	34		.50							34
35		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	35		.63							35
36		O-Nitrochlorobenzene Tech.	"	"	T/C	36		.13							36
37		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	37		.45							37
38						38									38

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VP-10227

ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)
1		P-Nitro Sodium Phenolate Tech.	Lb.	NTA S.P.East	T/C C/L	1		.37			
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal. Dr. T/L	2		.13	115.38	1.6	1.4
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275			
4		O-Toluidine Tech.	"	"	T/C	4		.25	112.00	67.9	60.6
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr. T/L	5		.27	111.11	6.8	6.1
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28			
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45			
8	Intermediates Sub-Group Sample Total					8				595.3	569.8
9	Intermediates Sub-Group Total					9				1051.4	1039.5
10	Intermediates Group Sample Total					10				1147.8(x)	1140.7
11	Intermediates Group Total					11				1155.0	1157.7
12	Chemicals					12					
13	Alcohol Sulfates	"Aquarex" WAQ	"	"	425# Drum	13		.22		9.4	
14		Avitex C	"	"	325# Drum T/L	14		.215		13.4	
15		"Duponol" D Paste	"	"	450# Drum	15		.31		16.9	
16		"Duponol" EP	"	"	425# Drum	16		.28	107.14	12.2	11.4
17		~~"Duponol" ME Dry~~	"	"	425# Drum	17		.22			
18		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	18		.78	105.13	26.5	25.2
19		"Duponol" RA	"	"	425# in 55 Gal. Drum	19		.32		32.6	
20		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	20		.20	110.00	25.6	23.7
21		"Duponol" WAQ	"	"	T/C	21		.17	108.82	32.4	29.8
22		"Duponol" WAQA	"	"	T/T	22		.18	108.33	7.6	7.0
23		"Duponol" WAQB	"	"	T/T	23		.18	108.33	8.5	7.8
24		"Duponol" WAT	"	"	425# Drum	24		.28	107.14	10.7	10.0
25	Sample Total					25				185.8	186.8
26	Sub-Group Total					26				318.3(x)	303.7
27	Alsyl Products	"Avitone" A	Lb.	NTA S.P.East	375# Drum	27		.20			
28		"Avitone" AL	"	"	375# Drum	28		.20			
29		"Avitone" SR	"	"	375# Drum	29		.20			
30		"Petrowet" R	"	"	455# Drum T/L	30		.265			
31	Sample Total					31					
32	Sub-Group Total					32				82.0(x)	
33	Finishing Agents	"Avitex" NA	"	"	375# Drum	33		.47			
34		~~"Avitex" R~~	"	"	375# Drum	34		.47			
35	Sample Total					35					
36	Sub-Group Total					36				34.9(x)	
37						37					
38						38					

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Link Relatives $\frac{p_n}{p_{Dec}}$ cols. (6)
1	Higher Alcohol & Solvents	"Oceanol"	Lb.	MTA S.P.East	360# Drum	1		.42				
2		"Tetralin"	"	"	T/T T/C	2		.33				
3	Sample Total					3						
4	Sub-Group Total					4				32.45		
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	MTA S.P.East	250# Drum T/L	5		.225		215.4%		
6	Miscellaneous	"Alkanol" 1009	Lb.	MTA S.P.East	5 Gal. Cans	6		.40				
7		"Alkanol" WXN	"	"	450# Drum	7		.19				
8		Compound No. 8-S	"	"	500# Drum	8		.21				
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48				
10	Sample Total					10						
11	Sub-Group Total					11				132.6%		
12	Repellents Durable	"Zelan" AP Paste	Lb.	MTA S.P.East	350# in 55 Gal. Dr.T/L	12		.895				
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/L	13		.845				
14		"Aridex" I. Conc	"	"	400# Barrel	14		.28				
15	Sample Total					15						
16	Sub-Group Total					16				251.7%		
17	Resin Products	"Zenoton" CR	Lb.	MTA S.P.East	500# Drums in T/L Lot	17		.228				
18		"Zeset" NC	"	"	T/T	18	18.4 change -20		92.00			
19	Sample Total					19						
20	Sub-Group Total					20				77.0%	83.7	
21	Chemicals Group Sample Total					21				1144.1(%)	1140.2	100.
22	Chemicals Group Total					22				1210.0%	1201.6	
23	50% Elastomer-Orchem Partnership	(Use link relative from Elastomer Form				23				552.0%		
24	50% Grasselli-Orchem Partnership	(Use link relative from Grasselli Form				24				111.3%		
25	Dyes and Chemicals Division Grand Total					25				6725.2(%)	6717.5	100
26						26						
27						27						
28						28						
29						29						
30						30						
31						31						
32						32						
33						33						
34						34						
35						35						
36						36						
37						37						
38						38						

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ORGANIC CHEMICALS DEPARTMENT MONTH OF _____ 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\,47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n (Operating Department) (1)	Preceding December p_{Dec} (Operating Department) (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ (129 Sheet or Sales Tab.) (4)	Current Quantity at December Prices (Denominator) $p_{Dec}\, q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec}\, q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ Cols. (6) x (7) (8)	LINE
1	"FREON" PRODUCTS					1									1
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	MTA S.P.East	T/C T/T	2		.203							2
3	F-12	F-12, Refrigeration	"	"	" "	3		.263							3
4	F-22	F-22, Refrigeration	"	"	" "	4		.580							4
5	F-114	F-114 Aerosol (Straight)	"	"	" "	5		.645							5
6	Sample Total					6									6
7	"Freon" Products Division Grand Total					7				3441.5(*)					7
8						8									8
9	PETROLEUM CHEMICALS					9									9
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	MTA S.P.East	400# in 55 Gal. Drum	10		1.11							10
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67							11
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64							12
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal Drum	13		.735							13
14		DP Lube Oil Additive 565	"	"	375# in 55 Gal. Drum	14		.475							14
15		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	15		.61							15
16		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. D/P	16		.64							16
17		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	17		1.79							17
18		DP Oil Red	"	"	100# in 41 Gal. Drum	18		1.76							18
19	Sample Total					19									19
20	Group Total					20				7454.*					20
21	TEL					21									21
22	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Ppd. T/C	22		.4093							22
23	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Ppd. T/C	23		.3735							23
24	Sample Total					24									24
25	Group Total					25				9836.4					25
26	Petroleum Chemicals Division Grand Total					26			10	581.5(*)					26
27						27									27
28						28									28
29	ORGANIC CHEMICALS DEPARTMENT					29									29
30	Dyes and Chemicals	(Use link relative and weights from line				30			Cum	6775.2	6717.8	100.11	116.3	116.4	30
31	"Freon" Products (1950 = 100)	(Use link relative and weights from line				31			Cum	3441.3		100.00	109.4	109.4	31
32	Petroleum Chemicals	(Use link relative and weights from line				32			Cum	10581.5		100.00	117.1	117.1	32
33	Organic Chemicals Department Grand Total					33			Cum & SD	20748.0	20740.6	100.04	116.2	116.2	33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF January 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

Line	Division and Product or Product Group (129 sheet or sales tabulation classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	Line	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 sheet or sales tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47-49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6)x(7) (8)	Line
1	DYES AND CHEMICALS					1									1
2	Dyes					2									2
3	Azo	(232 Specific dyes are used as	Lb.	MTA S.P.East	250# in 55 Gal. Dr.	3	Dye Form, P. 2, Line 11			702.5		100.00			3
4	Basic	representative items for these	"	"	"	4	Dye Form, P. 3, Line 21			496.9		↑			4
5	Indigo	10 dye groups. The link relatives	"	"	"	5	Dye Form, P. 3, Line 24			670					5
6	"Monastrals"	given in Column 6 are computed	"	"	"	6	Dye Form, P. 4, Line 7			264.6					6
7	Pontamine Whites	on subsidiary work-sheets.)	"	"	"	7	Dye Form, P. 4, Line 13			122.2					7
8	"Sulfanthrene"		"	"	"	8	Dye Form, P. 4, Line 18			40.0					8
9	Sulfur Black		"	"	"	9	Dye Form, P. 4, Line 26			24.3					9
10	Sulfur Miscellaneous		"	"	"	10	Dye Form, P. 5, Line 6			122.4		↓			10
11	Textile & Pigment Intermediates		"	"	"	11	Dye Form, P. 5, Line 10			84.7		100.00			11
12	Vats ("Ponsol")		"	"	"	12	Dye Form, P. 7, Line 13			967.6	969.4	99.81			12
13	Dyes Group Sample Total					13				2892.2	2894.0				13
14	Dyes Group Total					14				3070.6	3072.4				14
15	Intermediates					15									15
16	Camphor	Du Pont Camphor Tech.	Lb.	S.P.East	150# in Fiber Drums	16		.48							16
17		Du Pont Camphor USP	"	"	100# in Fiber Drums	17		.531							17
18	Camphor Sample Total					18									18
19	Camphor Group Total					19				42.2	42.2				19
20	Intermediates	M-Chloroaniline S Tech.	Lb.	MTA S.P.East	T/C	20		.73							20
21		Chlorobenzene Tech.	"	"	T/C T/T	21	.085	.0875	97.14	1.0	1.0				21
22		E. N-Diethylaniline Tech.	"	"	T/T	22		.55							22
23		E. N-Dimethylaniline Tech.	"	"	T/C	23		.28							23
24		M-Dinitrobenzene 89 Deg. Tech.	"	"	240# in 54 Gal. Drum	24		.24							24
25		2, 4-Dinitrochlorobenzene Tech.	"	"	T/C	25		.15							25
26		Dinitrotoluene Mixture Tech.	"	S.P.East	T/C	26		.092							26
27		Dinitrotoluene Blend G Tech.	"	"	550# in 55 Gal. Drums	27		.11							27
28		Dinitrotoluene Blend O Tech.	"	"	550# in 55 Gal. Drums	28		.12							28
29		Dinitrotoluene Oil Tech.	"	"	550# in 55 Gal. Dr.	29	.08834	.11	75.82	4.7	6.2				29
30		2, 4-Dinitrotoluene Tech.	"	MTA S.P.East	250# Wood Barrel	30		.23							30
31		N-Ethyl-N-Benzylaniline Tech.	"	"	450# in 55 Gal. Drum	31		.70							31
32		Alpha-Naphthol Tech.	"	"	225# Fiber Drum	32		1.00							32
33		Alpha-Naphthylamine Tech.	"	"	250# in 55 Gal. L/P	33		.50							33
34		P-Nitrobenzoic Acid Tech.	"	"	55 Gal. L/P C/L T/L	34		.63							34
35		O-Nitrochlorobenzene Tech.	"	"	T/C	35	.15	.13	115.38	3.8	3.3				35
36		P-Nitrophenol Tech.	"	"	55 Gal. L/P C/L T/L	36		.45							36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\,47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} \cdot q_n} \times P_{Dec\,47-49=100}$$

LINE	Division and Product or Product Group (129 Sheet or Sales Tabulation Classification)	Specifications of Sample Item: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\,47-49=100}$ Economist's Office (7)	Current Month $P_{n\,47-49=100}$ Cols. (6) x (7) (8)	LINE
1		P-Nitro Sodium Phenolate Tech.	Lb.	S.P.East MTA	T/C C/L	1		.37							1
2		O-Nitrotoluene Tech.	"	"	500# in 55 Gal.Dr.T/L	2		.23							2
3		P-Nitrotoluene Flaked Tech.	"	"	250# in 55 Gal. Drum C/L T/L	3		.275							3
4		O-Toluidine Tech.	"	"	T/C	4	28	.25	112.00	69.4	62.0				4
5		O-Toluidine S Tech.	"	"	425# in 55 Gal Dr.T/L	5	30	.27	111.11	13.7	12.3				5
6		O-Toluidine - S2 Tech	"	"	T/C	6		.28							6
7		P-Toluidine Cast Tech.	"	"	425# in 55 Gal. Drum	7		.45							7
8	Intermediates Sub-Group Sample Total					8				550.5	542.7	101.44			8
9	Intermediates Sub-Group Total					9				925.4	x 912.3				9
10	Intermediates Group Sample Total					10				967.6	(x) 954.5	101.37			10
11	Intermediates Group Total					11				982.7	x 969.4				11
12	Chemicals					12									12
13	Alcohol Sulfates	"Aquarex" WAC	"	"	425# Drum	13		.22							13
14		Avitex C	"	"	325# Drum T/L	14		.215		4.5					14
15		"Duponol" D Paste	"	"	450# Drum	15		.31		12.4					15
16		"Duponol" EP	"	"	425# Drum	16	.30	.28	107.14	14.0	13.1				16
17		"Duponol" ME Dry	"	"	150# in 51 Gal. Drum	17	.82	.78	105.13	38.7	36.8				17
18		"Duponol" RA	"	"	425# in 55 Gal. Drum	18		.32		35.7					18
19		"Duponol" WA Paste	"	"	425# in 55 Gal. Drum	19	.22	.20	110.00	24.9	22.6				19
20		"Duponol" WAC	"	"	T/C	20	.185	.17	108.82	39.0	35.8				20
21		"Duponol" WAQA	"	"	T/T	21	.195	.18	108.33	8.6	7.9				21
22		"Duponol" WAQB	"	"	T/T	22	.195	.18	108.33	5.2	4.8				22
23		"Duponol" WAT	"	"	425# Drum	23	.30	.28	107.14	9.2	8.6				23
24	Sample Total					24				192.2	182.2				24
25	Sub-Group Total					25				350.8	x 332.5	105.49			25
26	Alsyl Products	"Avitone" A	Lb.	S.P.East MTA	375# Drum	26		.20							26
27		"Avitone" AL	"	"	375# Drum	27		.20							27
28		"Avitone" SR	"	"	375# Drum	28		.20							28
29		"Petrowet" R	"	"	455# Drum T/L	29		.265							29
30	Sample Total					30									30
31	Sub-Group Total					31				50.0	x				31
32	Finishing Agents	"Avitex" NA	"	"	375# Drum	32		.47		27.0	x				32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec}\, q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	QUOTED PRICE OF SAMPLE ITEM: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ cols. (4)/(5) (6)	Index: 47–49=100 Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ cols. (6) x (7) (8)	LINE
1	Higher Alcohol & Solvents	"Ocenol"	Lb.	S.P.East MTA	360# Drum	1		.42							1
2		"Tetralin"	"	"	T/T T/C	2		.33							2
3	Sample Total					3									3
4	Sub-Group Total					4				32.7 x					4
5	Hydrosulfites	Du Pont Hydrosulfite Conc.	Lb.	S.P.East MTA	250# Drum T/L	5		.225		177.1 x					5
6	Miscellaneous	"Alkanol" 1009	Lb.	S.P.East MTA	5 Gal. Cans	6		.40							6
7		"Alkanol" WXN	"	"	450# Drum	7		.19							7
8		Compound No. 8-8	"	"	500# Drum	8		.21							8
9		Du Pont Retarder LAN	"	"	425# Drum	9		.48							9
10	Sample Total					10									10
11	Sub-Group Total					11				146.6 x					11
12	Repellents Durable	"Zelan" AP Paste	Lb.	S.P.East MTA	350# in 55 Gal.Dr.T/T	12		.805							12
13		"Zelan" FF	"	"	350# in 55 Gal.Dr.T/T	13		.845							13
14	Sample Total					14									14
15	Sub-Group Total					15				162.1 x					15
16	Resin Products	"Zeset" MC	Lb.	S.P.East MTA	T/T	16		.20		106.7 x					16
17	Chemicals Group Sample Total					17				1026.0 (x)	1007.7	101.82			17
18	Chemicals Group Total					18				1083.1 *	1063.7				18
19	50% Elastomer-Orchem Partnership	(Use link relative from Elastomer	Form	Line 23, p. 2)		19				428.1 *					19
20	50% Grasselli-Orchem Partnership	(Use link relative from Grasselli	Form	Line 8, p. 3)		20				85.5 *					20
21	Dyes and Chemicals Division Grand Total					21				5650.0 (*)	5619.1	100.55			21
22						22									22
23						23									23
24						24									24
25						25									25
26						26									26
27						27									27
28						28									28
29						29									29
30						30									30
31						31									31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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ORGANIC CHEMICALS DEPARTMENT MONTH OF 1959

MONTHLY WORKSHEET FOR CALCULATING LINK RELATIVES AND INDEXES USING THE FORMULA:

$$P_{n\ 47-49=100} = \frac{\sum p_n q_n}{\sum p_{Dec} q_n} \times P_{Dec\ 47-49=100}$$

LINE	DIVISION AND PRODUCT OR PRODUCT GROUP (129 SHEET OR SALES TABULATION CLASSIFICATION)	SPECIFICATIONS OF SAMPLE ITEM: Specific Sample Item	Unit	F.O.B.	Package or Order Size	LINE	Quoted Price of Sample Item: Current Month p_n Operating Department (1)	Preceding December p_{Dec} Operating Department (2)	Price Relative $\frac{p_n}{p_{Dec}}$ Cols. (1)/(2) (3)	Current Quantity at Current Prices (Numerator) $p_n q_n$ 129 Sheet or Sales Tab. (4)	Current Quantity at December Prices (Denominator) $p_{Dec} q_n$ Cols. (4)/(3) (5)	Total Div. and Dept. Calculation: Link Relative $\frac{p_n q_n}{p_{Dec} q_n}$ Cols. (4)/(5) (6)	Index: 47–49=100: Preceding December $P_{Dec\ 47-49=100}$ Economist's Office (7)	Current Month $P_{n\ 47-49=100}$ Cols. (6)×(7) (8)	LINE
1	"FREON" PRODUCTS					1									1
2	"Freon" F-11	F-11, Aerosol (Straight)	Lb.	MTA S.P.East	T/C T/T	2		.203							2
3	F-12	F-12, Refrigeration	"	"	T/C T/T	3		.263							3
4	F-22	F-22, Refrigeration	"	"	T/C T/T	4		.580							4
5	F-114	F-114 Aerosol (Straight)	"	"	T/C T/T	5		.645							5
6	Sample Total					6									6
7	"Freon" Products Division Grand Total					7				2446.1 (*)					7
8						8									8
9	PETROLEUM CHEMICALS					9									9
10	Petroleum Additives	DP Gasoline Antioxidant #22	Lb.	MTA S.P.East	400# in 55 Gal. Drum	10		1.11							10
11		DP Gasoline Antioxidant #5	"	"	400# in 55 Gal. Drum	11		.67							11
12		DP Fuel Oil Additive #2	"	"	375# in 55 Gal. Drum	12		.64							12
13		DP Fuel Oil Additive No. 208	"	"	375# in 55 Gal. Drum	13		.735							13
14		DP Rust Preventive No. 2	"	"	400# in 55 Gal. Drum	14		.61							14
15		Phenyl Alpha Naphthylamine	"	"	250# in 51 Gal. L/P	15		.64							15
16		DP Liquid Metal Deactivator	"	"	260# in 30 Gal. Drum	16		1.79							16
17	Sample Total					17									17
18	Group Total					18				868.3 *					18
19	TEL					19									19
20	Aviation Mix	Aviation Mix	Lb.	S.P.East	Frt. Ppd. T/C	20		.4093							20
21	Motor Mix	Motor Mix	Lb.	S.P.East	Frt. Ppd. T/C	21		.3735							21
22	Sample Total					22									22
23	Group Total					23				9596.0 *					23
24	Petroleum Chemicals Division Grand Total					24				10464.3 (*)					24
25						25									25
26						26									26
27	ORGANIC CHEMICALS DEPARTMENT					27									27
28	Dyes and Chemicals	(Use link relative and weights from line 21, p. 3)				28			Cum	5650.0	5619.1	100.55	116.3	116.9	28
29	"Freon" Products (1950 = 100)	(Use link relative and weights from line 7 above)				29			Cum	2446.1		100.00	109.4	109.4	29
30	Petroleum Chemicals	(Use link relative and weights from line 24 above)				30			Cum	10464.3		100.00	117.1	117.1	30
31	Organic Chemicals Department Grand Total					31			Cum & SD	18560.4	18529.5	100.17	116.2	116.4	31
32						32									32
33						33									33
34						34									34
35						35									35
36						36									36
37						37									37
38						38									38

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