

Bay 3414

Target 30/4.17

J. G. Farbenindustrie

Main Offices, Frankfurt

BAG 3414 - TARGET 30/4.17

I.G. FARBENINDUSTRIE
MAIN OFFICE, FRANKFURT.

Document List.

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14. Patent applications - Uerdingen 1941-1945. Image 0002
15. Report on OXO Process, 1940-41. Image 0015
16. Statistics - Paraffin and Coal Tar Products, 1941-48. Image 0212
17. Review of Research Group I - Work and Costs, 1935. Image 0238
18. Production of Kybol (Di-ethyl Benzene) at Schkopau, ^{and} Ludwigshafen 0321
19. Summary of I.G. Plants & Processes, Feb. 1942 - History from 1937, ^{1941.} 0323
Plans through 1945 - Büro Sparte I.
20. Miscellaneous Documents - Huls. 0364

BAG No. 2523

TARGET 30/9.06

FRANKFURT.

(a) Manufacture of miscellaneous organic chemicals

1. Preparation of dicarboxylic acids by electrolysis
2. Electro-synthesis of SEBASIC ACID DIMETHYL ESTERS
3. Extraction of SAPROPEL from LETTLAND
4. The synthesis of higher alcohols by the Methanol Synthesis from water gas.
5. Experiments with the Methanol Synthesis, Parts I, II, & IV
6. Semi-Annual Report on Middle Pressure Methanol Synthesis (Last half 1943)
7. " " " " " " " " (First half 1943)
8. Monthly Report Middle Pressure Methanol Synthesis, Nov. 1942.
9. Drawing of Experimental Tube for Hydrogenation of Methyl FORMATE to Methanol.
10. Operating Description of the Methanol Plant at WOLFGANG.
11. Continuous production of Methyl Formate according to the method of Dr. Brendlein.
12. Flow sheet of 50 ton per month glycerine plant (Brendlein).
13. Flow sheet for production of Methyl Formate from CO and Methanol (Brendlein)
14. Alternate Flow Sheet for production of Methyl Formate from CO and Methanol (Brendlein)
15. Operating Description for Production of 28 tons per month of Methyl Formate (Brendlein)
16. Methyl Formate - Synthesis from Wood, distillation gas.
17. Plant for Production of 25 tons per month of Methyl glycerine from Crotonaldehyde.
18. Production of Hydrogen, Allyl Alcohol from Acrolein, Methane Cracking.
19. Conference on the Hydrogenation of Crotonaldehyde to Butanol.
20. Stability of Copper, Aluminum and Various steels to crotonaldehyde containing Crotonic Acid.
21. Comparison of Dehydrog and I. G. Method for Hydrogenation of crotonaldehyde to Butanol.
22. Method for holding reaction temperature constant for Exothermic reactions.
23. Method of preparing catalysts for the hydrogenation of crotonaldehyde to Butanol.
24. Conference on hydrogenation of aldehydes.
25. Equipment specifications for high pressure hydrogenation plant to produce 200 tons/month Butanol.
26. Semi-Annual report from organic laboratory of Dr. Brendlein (last half 1941)
27. Monthly report from above laboratory Nov. 1942.
28. Semi-Annual Report from same laboratory first half 1941.
29. Crotyl chloride from crotyl alcohol.
30. Ethyl acetate from acetaldehyde (4 reports)
31. Ring cleavage of Formyl Dihydro Pyran to 1,2,6 Hexanetriol and its derivatives.
32. Corrosion problems in Butanol manufacture.
33. Trioxybutane plant in Rodlaben.
34. Technical questions on Trioxybutane manufacture.
35. Memorandum on centrifuge for Trioxybutane plant..
36. Memorandum on Silver Cooler for Trioxybutane Plant.
37. 2,000 ton per year Trioxybutane plant at Furstenberg.
38. Laboratory Explosion in Crotyl chloride experimental equipment
39. Hydrogenation of Acrolein to Propionaldehyde.
40. Discussion of Hexanediol Preparation.
41. Key to Catalyst symbols.
42. Effectiveness of certain insecticides.
43. Insecticidal efficiency of chloremino's.
44. Hydrogenation of Furfural.
45. Properties of Dimethylformamide.
46. Method of preparation of Halogen and nitrogen containing compounds.
47. Propanesulton

48. Memorandum on Dimethylformamide
49. Preparation of Methyl Isopropanyl Ketone from Formaldehyde and Methyl Ethyl Ketone
50. Reaction of Ammonia on methanol in Furstenberg
51. Quarterly report from Dr. Brendlein's organic laboratory last quarter of 1940.
52. Same -- third quarter of 1940
53. " second quarter of 1940
54. " First quarter of 1940
55. " Last quarter of 1939
56. Monthly report - same laboratory, Dec. 1942
57. Preparation of Ether Esters (Acetates) from monoalkyl ethers of 1,3 - Trimethylene glycols.
58. Hydrogenation of Methoxy - propionaldehyde - Dimethylacetal and Ethoxy-Propionaldehyde-diethylacetal.
59. Recovery of Acetylene from the waste gas from acetylene ketonization.
60. Hydrogenation of "Ferulasaure and Ferulasaurem Ammonium."
61. Preparation of 1,3 propene dioldialkyl ether from alkoxypropionaldehydedialkylacetal.
62. Separation of Allyl alcohol from mixtures by wash distillation
63. Separation of methylcyclopentanene from furfural by wash distillation.
64. Separation of Crotyl-Butyl alcohol mixtures by wash distillation.
65. Hardening of neatsfoot oil.
66. Separation of Isopropyl alcohol and tertiary butyl alcohol by wash distillation employing water and benzol as wash medium
67. Separation of acetic acid - formic acid mixtures with toluene as the wash medium.
68. Experiments with zinc-chromium alkylization catalysts in the synthesis of higher alcohols.

(b) Reactions of CO and H₂ on Olefins
OXO Reaction

Images 0773-0873

69. Status as of Dec. 1, 1943
70. " " " Oct. 1, 1943
71. " " " Aug. 1, 1943
72. " " " June 1, 1943
73. " " " April 1, 1943
74. " " " Dec. 1, 1942
75. " " " Oct. 1, 1942
76. " " " Aug. 1, 1942
77. " " " June 1, 1942
78. " " " April 1, 1942
79. " " " Feb. 1, 1942
80. " " " Dec. 1, 1941
81. " " " Oct. 1, 1941
82. " " " Aug. 1, 1941
83. " " " June 1, 1941
84. " " " April 1, 1941
85. " " " Feb. 1, 1941

Images 0874-0896

(c) SYNOL Work

86. Status as of Feb. 1, 1943
87. " " " Dec. 1, 1942

(d) Work on OXO and SYNOL alcohols

Images 0897-0961

88. Status as of Feb. 1, 1944
89. " " " Oct. 1, 1943
90. " " " Aug. 1, 1943
91. " " " June 1, 1943
92. " " " April 1, 1943
93. " " " Feb. 1, 1943

(e) Hydrocarbon Synthesis From CO and H₂

94.	Progress Report,	Dec. 1, 1943	Image 0963	
95.	"	Aug. 1, 1943	Image 0966	
96.	"	June 1, 1943		Image 0972
97.	"	April 1, 1943		Image 0980
98.	"	Oct. 1, 1942	Image 0989	
99.	"	Aug. 1, 1942	Image 0997	
100	"	June 1, 1942		Image 1008
101	"	April 1, 1942		Image 1033
102	"	Feb. 1, 1942	Image 1045	
103	"	Dec. 1, 1941	Image 1063	
104	"	Oct. 1, 1940	Image 1072	