

S.V.

C.V. 260

DATE PRINTED 4/21/82
D.V. 303, 315, 317, 322, 323

CG 40 CODE RT-531-D PKG ---

PROCESSES APPROVED BY
() RT-531-D (N) EWK 11-24-81
COMTYP JOB NAME: 40RT531DMN
TYPED BY: JMHJUN 10 1982
(DATE)F2K26
(LOT)

JUN 15 1982

EST. WT. 643* LBS.

STANDARD HRS. _____ TIME _____ M

PREPARATION NOTES: SUPV'R NOTE: DO NOT USE V-303 FOR NAPHTHANILS WHEN
CAMPAIGNING DALAMARS YC-39-A, YC-40-A, YT-839-P, YT-840-P, YT-858-D, AND
YT-868-D.

EQUIPMENT		NAME: NAPHTHANIL RED LIGHT	USE LBS	N-CODE	ACCT LBS
PREP		1 OBTAIN 4-NITRO-2-AMINOTOLUENE FOR S6		504-C	
1		2 OBTAIN 3-HYDROXY-2-NAPHTHYLAMIDE FOR S18		150-C	
		3 CLEAN, DRESS, CLOSE 24" CLARIF PRESS - 15 FRAMES			
DV 2		1 RUN 14" (486 G) WATER INTO V-322			
		2 RUN IN HYDROCHLORIC ACID FROM V-324			
		M _____ L _____ 29.89 %	422	28-D	126
		3 DUMP IN FROM S1		504-C	211
		4-NITRO-2-AMINOTOLUENE	200		
		LOT 79.55	11		
		7 WEIGH ON PORTAL SCALE & RECORD IN MINORANALOGUE			
		8 ADD & STIR 15 MIN TO WET LOT _____			
		9 ADJ TO 30" (1020 G) AT 40-45 DEG F	3X330	57-A	
		10 SIPHON IN SODIUM NITRITE IN 7-10 MIN			
		M _____ 33.36 %	285	725-A	95
		11 STIR 5 MIN & RECORD: CR _____ (+), KI _____ (+)			
		NOTE: (1) IF CR-, KI- ADD 20# "AS IS"			
		INCREMENTS HYDROCHLORIC ACID ASSUME 32%		28-D	
		RECORD: CR _____ (+) KI _____ (+)			
		(2) IF CR+, KI- ADD 10# "AS IS" INCREMENTS			
		SODIUM NITRITE ASSUME 33%		725-A	
		RECORD: CR _____ (+) KI _____ (+)			
		12 STIR 10 MIN AT 40-45°F MAINTAINING +CR, +KI			
		FOR S13 RECORD: TIME START 5:18			
MISC 3		12 SLURRY DICALITE FILTER AID IN 40 GAL WATER	5	777-A	5
		3 IN DRUM & PRECOAT CLARIF PRESS			
DV 4		13 WHEN S11 STIR COMPLETE DUMP IN ACTIVATED	15	113-B	15
		CARBON			
		14 DUMP IN DICALITE FILTER AID	10	777-A	10
		15 STIR 30 MIN AT 40-45 DEG F ASSUME 33%		725-A	
		MAINTAINING +KI FOR S23.		57-A	
		RECORD: START 5:40 KI _____ (+)			
330 5		16 RUN 13" (177G) WATER INTO V-330			
		17 SLURRY TRISULPHOIL SOAP D IN 25G WATER & POUR IN	16	39-A	16
		18 DUMP IN 3-HYDROXY-2-NAPHTHYLAMIDE FROM S2 & STIR 30 MIN OR LONGER TO WET.		150-C	370
		RECORD: START 7:03	245		
		6923	245		
		Woffle N 150x only			

EQUIP MENT		PAGE 2 OF 3 CG 40 CODE RT-531-D (N)	USE LBS	N-CODE	ACCT LBS
302 6	19	RUN 364 (1926) WATER INTO V-302	232		116
	20	POUR IN SODIUM HYDROXIDE ASSUME 50%		7-D	
	21	SIPHON IN ACETIC ACID & STIR 3 MIN			
	22	RECORD PH <u>7.8</u> (6.7-7.5) IF NECESSARY ADJ TO 6.7-7.5. ACETIC ACID ASSUME 70%	250	30-D	172
		RECORD PH <u>7.0</u> SODIUM HYDROXIDE ASSUME 50%	4	30-D	4
				7-D	
DV 7	23	TURN ON V- <u>323</u> AGITATOR & ADD ICE, THEN SHUT OFF AGITATOR	2X330	57-A	
	23A	PUMP DV THRU CLARIF PRESS INTO DV USED IN S 23. MAINTAINING TEMP AT 40-45°F. RECORD: START: <u>6:50</u> TOTAL MIN <u>28</u> NOTE: DO NOT USE V-303 - TOO SMALL			
	24	WHEN S23A CLARIF COMPLETE WASH DV (S4) LINES PUMP & PRESS FOR 20 MIN OR TO A -CR. TEST ON A SAMPLE OF TOTAL PRESS EFFLUENT WHICHEVER COMES FIRST. COLLECT WASHINGS IN DV (S23) RECORD: START <u>7:30</u> CR <u>US</u> (-OR+)			
	25	WHEN S24 IS COMPLETE TEST DV (S23) ASSUME 33% & RECORD: KI <u>1.5</u> (+) TEMP <u>40</u> (40-45°F)		725-A	
	26	WEIGH SULFAMIC ACID IN RUBBER BUCKET AND RINSE IN AND STIR 5 MIN.		57-A	
	27	RECORD: KI <u>1.5</u> MUST BE - & IF NECESSARY ADJ TO -KI WITH SULFAMIC ACID	10	395-D	10
	28	ADJ TO <u>56</u> (1925 G) AT 40-45 DEG F	5	395-D	5
			1X330	57-A	
240 8	29	RUN 39" (3900 G) WATER INTO V- 300 <u>105</u>			
	30	INSTALL TEMP CHART & SET AGITATOR AT 16 RPM			
330 9	31	WHEN S18 STIR COMPLETE, POUR IN SODIUM HYDROXIDE IN 3-4 MIN. ASSUME 50%	220	7-D	110
	32	HEAT TO 128-132 DEG F AFAP & STIR 5 MIN TO DISSOLVE. STOP AGITATOR.			
240 10 <u>105</u>	33	IMMEDIATELY RUN V-330 AFAP INTO CV. NO AGITATION IN CV. RECORD: START <u>9:10</u> TOTAL MIN <u>10</u>			
	34	POUR IN ACETIC ACID & STIR 5 MIN. M <u>1</u> <u>68.93</u> %	218	30-D	150
	35	RECORD: PH <u>11.0</u> (10.5-11.0) ASSUME 50%		7-D	
		IF NECESSARY ADJ TO PH 10.5-11.0			
		RECORD: PH _____ ASSUME 70%		30-D	
	36	RUN IN V-302 AFAP			
	37	DUMP IN BARIUM SULFATE	35	65-A	35
	38	HEAT TO 78-82 DEG F AND RECORD: HT <u>82</u> DEG F AND REC <u>82</u> DEG F			
	39	WHEN S28 COMPLETE, COUPLE DV UNDERSURFACE IN 65-70 MIN. MAINTAIN CV AT 78-82 DEG F. RECORD: START <u>9:50</u> TOTAL MIN <u>70</u>			
	40	STIR 5 MIN, DISCONNECT TRANSFER LINE AT CV & RECORD: DIAZO _____ (+/-) BASE <u>11.0</u> (MUST BE +) PH <u>4.6</u> (4.2-4.6)			
	41	IF NECESSARY STIR TO - DIAZO RECORD: START _____ TOTAL MIN _____ RECORD: DIAZO _____ MUST BE - BASE _____ MUST BE + PH _____ (4.2-4.6)			

EQUIP MENT		PAGE 3 OF 3 CG 40 CODE RT-531-D (N)	USE LBS	N-CODE	ACCT LBS
MISC 11	42	ADD 30G WATER AT 130-140* TO DRUM FROM HOT WATER MIXER ADD BLANCOL N & STIR FOR S43	30	567-B	30
248 12 105	43	POUR IN N-567-B SOLUTION FROM S42			
	44	HEAT TO 194-196 DEG F IN 55-60 MIN AND RECORD: HT <u>184</u> DEG F AND REC <u>194</u> DEG F			
	45	WHEN S44 HEATING COMPLETE, RUN IN ALUMINUM SULFATE SOLUTION THRU BADGER METER. NOTE:	120	115-D	60
	46	RINSE IN LINE AFTER N-115-D SOL'N. RUN IN.			
	47	STIR 30 MIN AT 194-196 DEG F FLOOD TO 80" (7928G) AND STOP AGITATOR			
		VAT V-303 V-315 V-317 V-322 V-323			
		S4 (486G) 20" 14" 14" 14" 14"			
		S8 (1020G) 43" 30" 30" 30" 30"			
		START	FIN	OPTR	
		<u>4:00</u>	<u>11:02 P.</u>	<u>342</u>	
		<u>11:00 P.</u>	<u>19:5 A.</u>	<u>259</u>	
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