

S.V.

(105)

C.V. 260

D.V. 303, 315, 317, 322, 323

CG 40

CODE RT-531-D

PKG

PROCESSES

APPROVED BY

JUN 14 1982

(DATE)

F2K28

(LOT)

USE N-28
FROM DRS.

() RT-531-D (N) EWK 11-24-81

COMTYP JOB NAME: 40RT531DMN

TYPED BY: JMH

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-F, YT-840-P, YT-858-D, AND
YT-868-D.

EAST PRESS

SEMI-BLEEDING

EQUIP MENT	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	4 RUN 24" (486 G) WATER INTO V-322			
2	5 RUN IN HYDROCHLORIC ACID FROM V-324			
	M. _____, 29.89 %	422	28-D	126
	6 DUMP IN FROM S1		504-C	211
	4-NITRO-2-AMINOTOLUENE	211		
	7 WATER ON 24" CLARIF PRESS			
	8 STIR 15 MIN TO WET			
	9 ADJ TO 29" (1020 G) AT 40-45 DEG F	3X330	57-A	99.0
	10 SIPHON IN SODIUM NITRITE IN 7-10 MIN			
	M. 9, 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			
MISC	12 SLURRY DICALITE FILTER AID IN 40 GAL WATER	5	777-A	5
3	13 IN DRUM & PRECOAT CLARIF PRESS			
DV	13 WHEN S11 STIR COMPLETE DUMP IN ACTIVATED	15	113-B	15
4	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 _____ KI (+)			
350	16 RUN 13" (177G) WATER INTO V-350			
5	17 SLURRY TRISULPHOIL SOAP D IN 25G WATER & POUR IN	16	39-A	16
313	18 DUMP IN 3-HYDROXY-2-NAPHTHYLAMIDE FROM S2 & STIR 30 MIN OR LONGER TO WET.		150-C	370
	RECORD: START 100 AM	6950		
	no Ppater N-150C	7038		
	only	6923		
		126		
		125		
		120		

N38984

EQUIP MENT		PAGE 2 OF 3 CG 40 CODE RT-531-D (N)	USE LBS	N-CODE	ACCT LBS
302 6 314	19	RUN 3611 (4326) WATER INTO V-302	232		116
	20	POUR IN SODIUM HYDROXIDE ASSUME 50%		7-D	
	21	SIPHON IN ACETIC ACID & STIR 3 MIN M. 1 68.93 %	250	30-D	172
	22	RECORD PH 5.0 (6.7-7.5) IF NECESSARY ADJ TO 6.7-7.5. ACETIC ACID ASSUME 70%		30-D	
		RECORD PH 6.7 SODIUM HYDROXIDE ASSUME 50%	60	7-D	30
DV 7	23	TURN ON V-323 AGITATOR & ADD ICE, THEN SHUT OFF AGITATOR	2X330	57-A	660
	23A	PUMP DV THRU CLARIF PRESS INTO DV USED IN S 23. MAINTAINING TEMP AT 40-45°F RECORD: START: 4130.4 TOTAL MIN. 25 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 503.4 CR + (-OR+)			
	25	WHEN S24 IS COMPLETE TEST DV (S23) ASSUME 33% & RECORD: KI + (+) TEMP 45 (40-45°F)		725-A 57-A	
	26	WEIGH SULFAMIC ACID IN RUBBER BUCKET AND RINSE IN AND STIR 5 MIN.	10	395-D	10
	27	RECORD: KI - MUST BE - & IF NECESSARY ADJ TO -KI WITH SULFAMIC ACID		395-D	
	28	ADJ TO 56 (1925 G) AT 40-45 DEG F	1X330	57-A	
105 8	29	RUN 39* (3900 G) WATER INTO V-200 105			
	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.			
10 105	33	IMMEDIATELY RUN V-330 AFAP INTO CV. NO AGITATION IN CV. RECORD: START 80.1 TOTAL MIN			
	34	POUR IN ACETIC ACID & STIR 5 MIN M. 1 68.93 %	218	30-D	150
	35	RECORD: PH 11.0 (10.5-11.0) ASSUME 50%		7-D	
		IF NECESSARY ADJ TO PH 10.5-11.0			
	36	RECORD: PH - ASSUME 70%		30-D	
	37	RUN IN V-302 AFAP			
	38	DUMP IN BARIUM SULFATE	35	65-A	35
	39	HEAT TO 78-82 DEG F AND RECORD: HT 82 DEG F AND REC 82 DEG F			
	40	WHEN S28 COMPLETE, COUPLE DV UNDERSURFACE IN 35-70 MIN. MAINTAIN CV AT 78-82 DEG F RECORD: START 930 TOTAL MIN 60			
	41	STIR 5 MIN, DISCONNECT TRANSFER LINE AT CV & RECORD: DIAZO - (+/-) BASE + (MUST BE +) PH 4.5 (4.2-4.6)			
	42	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
12 105	43	FOUR IN N-567-B SOLUTION FROM S42			
	44	HEAT TO 194-196 DEG F IN 55-60 MIN AND RECORD: HT <u>196</u> DEG F AND REC <u>196</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 (115) 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>1100 P</u>	<u>700 A</u>	<u>126</u>	
		<u>7 AM</u>	<u>230</u>	<u>282</u>	
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Step 23A Press Broke out at
 Start of Clarification,
 Opened and corrected. 90min

