

SIV.

105

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

JUN 27 1982

F2J07

( DATE )

( LOT )

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

COMTYP JOB NAME: 40RT531DMN

TYPED BY: JMH

EST. WT. 643\* LBS.

EAST-PRESS 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.

B.O. V-322 DONE

SEMI-BLEEDING

| EQUIP<br>MENT | NAME: NAPHTHANIL RED LIGHT JUN 8 1982                 | USE<br>LBS | N-CODE | ACCT<br>LBS |
|---------------|-------------------------------------------------------|------------|--------|-------------|
| PREP<br>1     | 1 OBTAIN 4-NITRO-2-AMINOTOLUENE FOR S6                |            | 504-C  |             |
|               | 2 OBTAIN 3-HYDROXY-2-NAPHTHYLAMIDE FOR S18            |            | 150-C  |             |
|               | 3 CLEAN, DRESS, CLOSE 24" CLARIF PRESS -<br>15 FRAMES |            |        |             |
| DV<br>2       | 4 RUN 14 1/2 (486 G) WATER INTO V-322                 |            |        |             |
|               | 5 RUN IN HYDROCHLORIC ACID FROM V-324                 |            |        |             |
|               | M 29.89 %                                             | 422        | 28-D   | 126         |
|               | 6 DUMP IN FROM S1 LOT                                 |            | 504-C  | 211         |
|               | 4-NITRO-2-AMINOTOLUENE 79.55                          | 200        |        |             |
|               | 18.52                                                 | 11         |        |             |
|               | 7 WHEN ON POSTAL SCALE 3 HOURS 4 AMINOTOLUENE         |            |        |             |
|               | 8 & STIR 15 MIN TO WET LOT                            | 4X330      | 28-D   | 126         |
|               | 9 ADJ TO 29 1/2 (1020 G) AT 40-45 DEG F               | 3X330      | 57-A   | 4X330       |
|               | 10 SIPHON IN SODIUM NITRITE IN 7-10 MIN               |            |        |             |
|               | M 9 33.36 %                                           | 225        | 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 5:05 PM                    |            |        |             |
| MISC<br>3     | 13 SLURRY DICALITE FILTER AID IN 40 GAL WATER         | 5          | 777-A  | 5           |
|               | IN DRUM & PRECOAT CLARIF PRESS                        |            |        |             |
| DV<br>4       | 14 WHEN S11 STIR COMPLETE DUMP IN ACTIVATED           | 15         | 113-B  | 15          |
|               | CARBON                                                |            |        |             |
|               | 15 DUMP IN DICALITE FILTER AID                        | 10         | 777-A  | 10          |
|               | 16 STIR 30 MIN AT 40-45 DEG F ASSUME 33%              |            | 725-A  |             |
|               | MAINTAINING +KI FOR S23.                              | 1X330      | 57-A   | 1X330       |
|               | RECORD: START 5:24 PM KI + (+)                        |            |        |             |
| 330<br>5      | 17 RUN 13" (177G) WATER INTO V-330                    |            |        |             |
|               | 18 SLURRY TRISULPHOIL SOAP D IN 25G WATER &           |            |        |             |
|               | POUR IN                                               | 16         | 39-A   | 16          |
|               | 19 DUMP IN 3-HYDROXY-2-NAPHTHYLAMIDE FROM S2 &        |            |        |             |
|               | STIR 30 MIN OR LONGER TO WET. LOT                     |            | 150-C  | 370         |
|               | RECORD: START 5:24 PM 69.23                           | 370        |        |             |
|               | Here Pfecter 11-1502 only                             |            |        |             |

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| EQUIP<br>MENT                  |     | PAGE 2 OF 3 CG 40 CODE RT-531-D (N)                                                                                                                                                                                | USE<br>LBS   | N-CODE | ACCT<br>LBS  |
|--------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|--------------|
| 302<br>6                       | 19  | RUN 12" (144G) WATER INTO V-302                                                                                                                                                                                    |              |        |              |
|                                | 20  | POUR IN SODIUM HYDROXIDE ASSUME 50%                                                                                                                                                                                | 58           | 7-D    | 29           |
|                                | 21  | SIPHON IN ACETIC ACID & STIR 3 MIN                                                                                                                                                                                 |              |        |              |
|                                | 22  | RECORD PH <u>10.7</u> (6.7-7.5) IF NECESSARY ADJ TO 6.7-7.5. ACETIC ACID ASSUME 70%                                                                                                                                | <u>62</u>    | 30-D   | 43           |
|                                |     | RECORD PH <u>7.4</u> SODIUM HYDROXIDE ASSUME 50%                                                                                                                                                                   | <u>4</u>     | 30-D   | <u>3</u>     |
|                                |     |                                                                                                                                                                                                                    |              | 7-D    |              |
| DV<br>7                        | 23  | TURN ON V- <u>323</u> AGITATOR & ADD ICE, THEN SHUT OFF AGITATOR                                                                                                                                                   | 2X330        | 57-A   | <u>2X330</u> |
|                                | 23A | PUMP DV THRU CLARIF PRESS INTO DV USED IN S 23. MAINTAINING TEMP AT 40-45°F. RECORD: START: <u>6:05 PM</u> TOTAL MIN <u>70</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>7:15 PM</u> (-OR+) |              |        |              |
|                                | 25  | WHEN S24 IS COMPLETE TEST DV(S23) ASSUME 33% & RECORD: KI <u>+</u> (+) TEMP <u>41</u> (40-45°F)                                                                                                                    | <u>1X330</u> | 725-A  | <u>1X330</u> |
|                                | 26  | WEIGH SULFAMIC ACID IN RUBBER BUCKET AND RINSE IN AND STIR 5 MIN.                                                                                                                                                  | 10           | 395-D  | 10           |
|                                | 27  | RECORD: KI <u>1</u> MUST BE - & IF NECESSARY ADJ TO -KI WITH SULFAMIC ACID                                                                                                                                         | <u>2</u>     | 395-D  | <u>2</u>     |
|                                | 28  | ADJ TO <u>56 1/4</u> (1925 G) AT 40-45 DEG F                                                                                                                                                                       | 1X330        | 57-A   |              |
| <u>2400</u><br>8               | 29  | RUN 39" (3900 G) WATER INTO V- <u>302</u> <u>105</u>                                                                                                                                                               |              |        |              |
|                                | 30  | INSTALL TEMP CHART & SET AGITATOR AT 16 RPM                                                                                                                                                                        |              |        |              |
| 330<br>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.                                                                                                                                                |              |        |              |
| <u>258</u><br>10<br><u>105</u> | 33  | IMMEDIATELY RUN V-330 AFAP INTO CV. NO AGITATION IN CV. RECORD: START <u>8:05 PM</u> TOTAL MIN <u>20</u>                                                                                                           |              |        |              |
|                                | 34  | POUR IN ACETIC ACID & STIR 5 MIN. M <u>11.0</u> <u>68.93</u> %                                                                                                                                                     | <u>219</u>   | 30-D   | 150          |
|                                | 35  | RECORD: PH <u>✓</u> (10.5-11.0) ASSUME 50% IF NECESSARY ADJ TO PH 10.5-11.0                                                                                                                                        |              | 7-D    |              |
|                                | 36  | RECORD: PH <u>✓</u> 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 <u>80</u> DEG F AND REC <u>81</u> DEG F                                                                                                                                         |              |        |              |
|                                | 40  | WHEN S28 COMPLETE, COUPLE DV UNDERSURFACE IN 65-70 MIN. MAINTAIN CV AT 78-82 DEG F RECORD: START <u>9:35 PM</u> TOTAL MIN <u>70</u>                                                                                |              |        |              |
|                                | 41  | STIR 5 MIN, DISCONNECT TRANSFER LINE AT CV & RECORD: DIAZO <u>VLS+</u> (+/-) BASE <u>+</u> (MUST BE +) PH <u>4.3</u> (4.2-4.6)                                                                                     |              |        |              |
|                                |     | IF NECESSARY STIR TO - DIAZO RECORD: START <u>10:50 PM</u> TOTAL MIN <u>40</u>                                                                                                                                     |              |        |              |
|                                |     | RECORD: DIAZO <u>F</u> MUST BE - BASE <u>F</u> MUST BE + PH <u>4.2</u> (4.2-4.6)                                                                                                                                   |              |        |              |

| EQUIP<br>MENT |    | PAGE 3 OF 3 CG 40 CODE RT-531-D (N)                                                            | USE<br>LBS | N-CODE | ACCT<br>LBS |
|---------------|----|------------------------------------------------------------------------------------------------|------------|--------|-------------|
| MISC<br>11    | 43 | ADD 30G WATER AT 130-140* TO DRUM FROM HOT<br>WATER MIXER ADD BLANCOL N & STIR FOR S43         | 30         | 567-B  | 30          |
| 12            | 43 | POUR IN N-567-B SOLUTION FROM S42                                                              |            |        |             |
| 105           | 44 | HEAT TO 194-196 DEG F IN 55-60 MIN AND<br>RECORD: HT <u>195</u> DEG F AND REC <u>196</u> DEG F |            |        |             |
|               | 45 | WHEN S44 HEATING COMPLETE, RUN IN ALUMINUM<br>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                                                                   |            |        |             |
|               | 47 | FLOOD TO 80" (7928G) AND STOP AGITATOR                                                         |            |        |             |
|               |    | VAT   V-303   V-315   V-317   V-322   V-323                                                    |            |        |             |
|               |    | S4 (436G)   20"   14"   14"   14"   14"                                                        |            |        |             |
|               |    | SB (1020G)   43"   30"   30"   30"   30"                                                       |            |        |             |
|               |    | START FIN OPTR                                                                                 |            |        |             |
|               |    | <u>10:40 AM</u> <u>3:00 PM</u> <u>320</u>                                                      |            |        |             |
|               |    | <u>3 PM</u> <u>11 PM</u> <u>114</u>                                                            |            |        |             |
|               |    | <u>11:00 PM</u> <u>1:30 AM</u> <u>381</u>                                                      |            |        |             |

BATCH DELAYED ICE MACHINE  
STOPPED UP. Twice

N-725-A Pump Bottom STICKS in the ON Position

