

CG 32  
OCT 20 1982  
( DATE )

CODE RT-876-D PKG  
K2K71 2579  
( LOT ) ( EST WGT )

PROCESSES APPROVED BY  
( ) RT-876-D (H) EWK 1-11-82  
COMTYP JOB NAME: 32RT876DMH  
TYPED BY: JMH

STANDARD HRS. \_\_\_\_\_

TIME 7A.M.

PREPARATION NOTES:

423# N-7 IN V-904-922  
2954 N-7 IN V-904-902

NON-BLEEDING

| EQUIP<br>MENT | NAME: WATCHUNG RED B                                                                                                                                                                                                                                                                                                                                                                                                                                            | USE<br>LBS | N-CODE | ACCT<br>LBS |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|-------------|
|               | NOTE: DO NOT START IF PRESS WILL NOT BE AVAILABLE WITHIN 3 HRS AFTER MAKING. SUPV. TO REVIEW WITH P.R. SUPV & RECORD:<br>PRESS WILL BE READY _____ M _____ / _____ PR SUPV.<br>START MAKING _____ M _____ / _____ MAKING SUPV.<br>NOTE: NOTIFY PRESS ROOM BEFORE ROPING OFF AREA UNDER V-922<br>NOTE: RUN 15" WATER INTO V-904. PUMP WATER FROM V-904 THRU DISTRIBUTOR. IF WATER DOES NOT COME OUT OF ALL DISTRIBUTOR HOLES WITH FULL FORCE, NOTIFY SUPERVISOR. |            |        |             |
| PREP<br>1     | RECORD: 1 BATCHES SINCE SPARKLER LAST CLEANED. AFTER 4 BATCHES, CLEAN, DRESS SPARKLER & PRE-COAT WITH 15% DICALITE, FILTER AID.                                                                                                                                                                                                                                                                                                                                 |            | 777-A  |             |
|               | 2 OBTAIN FOR S11 2-CHLORO-4-AMINOTOLUENE-5-SULFONIC ACID.                                                                                                                                                                                                                                                                                                                                                                                                       |            | 740-C  |             |
|               | 3 OBTAIN FOR S27 3-HYDROXY-2-NAPHTHOIC ACID                                                                                                                                                                                                                                                                                                                                                                                                                     |            | 82-C   |             |
|               | 4 INSTALL DV & DV RECORDER & CONTROLLER CHART                                                                                                                                                                                                                                                                                                                                                                                                                   |            |        |             |
| 2             | 5 RUN 11" (100G) WATER INTO V-931 & ADJ TO 80-100 DEG F                                                                                                                                                                                                                                                                                                                                                                                                         |            |        |             |
|               | 6 ADD IN 2-3 MIN DRESINATE X                                                                                                                                                                                                                                                                                                                                                                                                                                    | 108        | 530-A  | 108         |
|               | 7 STIR 5 MIN & RECORD PH 9.1 (9.5-10.5)                                                                                                                                                                                                                                                                                                                                                                                                                         |            |        |             |
|               | 8 STIR 20 MIN OR LONGER TO DISSOLVE FOR 349                                                                                                                                                                                                                                                                                                                                                                                                                     |            |        |             |
| 922<br>3      | 9 RUN 35" (722G) WATER INTO V-922                                                                                                                                                                                                                                                                                                                                                                                                                               |            |        |             |
|               | 10 WEIGH SODIUM HYDROXIDE IN V-926 & RUN IN M 12 50.16% 423                                                                                                                                                                                                                                                                                                                                                                                                     |            | 7-D    | 212         |
|               | 11 TURN ON AGITATOR & STEAM & DUMP IN FROM S2 2-CHLORO- LOT #100% 99.34 1093                                                                                                                                                                                                                                                                                                                                                                                    |            | 740-C  | 1086        |
|               | 12 4-AMINOTOLUENE 279 1086                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |        |             |
|               | 13 5-SULFONIC ACID                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |        |             |
|               | 14 DUMP IN ACTIVATED CARBON                                                                                                                                                                                                                                                                                                                                                                                                                                     | 25         | 113-B  | 25          |
|               | 15 DUMP IN FILTER AID                                                                                                                                                                                                                                                                                                                                                                                                                                           | 70         | 777-A  | 70          |
|               | 16 HEAT TO 212-214 DEG F WATCH FOAM!!                                                                                                                                                                                                                                                                                                                                                                                                                           |            |        |             |
|               | 17 RECORD: BY + (+) IF NECESSARY ADJ TO +BY SODIUM HYDROXIDE ASSUME 50%                                                                                                                                                                                                                                                                                                                                                                                         |            | 7-D    |             |
|               | 18 STIR 30 MIN AT 212-214 DEG F, THEN SHUT OFF STEAM WATCH FOAM! NOTE: RECORD SPARKLER PRESSURE 0 PSI. IF NOT ZERO NOTIFY SUPERVISOR.                                                                                                                                                                                                                                                                                                                           |            |        |             |

check weight  
4  
Residue  
on back

OCT 25 1982

( Jfe )

| EQUIP<br>MENT    |     | PAGE 2 OF 4 CG 32 CODE RT-870-D (H)                                                                                                                                                     | USE<br>LBS | N-CODE | ACCT<br>LBS |
|------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|-------------|
| 922<br>3<br>CONT | 17  | CIRCULATE 15 MIN OR LONGER THRU SPARKLER UNTIL SOL'N IS CLEAR. MAINTAIN AT 190-195 DEG F FOR S22. RECORD: START 9:15AM TOTAL MIN <u>OK</u> CLARITY <u>OK</u> HT <u>OK</u> F & REC 195 F |            |        |             |
| MISC<br>4        | 18  | MEASURE 88 1/2 UNITS IN V-928 FOR S39                                                                                                                                                   |            |        |             |
|                  | 19  | HYDROCHLORIC ACID M 2 31.01%                                                                                                                                                            | 1412       | 28-D   | 438         |
|                  | 19  | WEIGH SODIUM NITRITE IN PT FOR S42 M 9 33.36%                                                                                                                                           | 1190       | 725-A  | 397         |
|                  | 20  | WEIGH SODIUM NITRITE IN DRUM FOR S50 M 9 33.36%                                                                                                                                         | 129        | 725-A  | 43          |
| 922<br>5         | 21  | RUN 2" (58G) WATER INTO V-922/CV                                                                                                                                                        |            |        |             |
|                  | 22  | WHEN S17 IS COMPLETE, PUMP IN V-922 THRU SPARKLER, MAINTAIN V-922 AT 190-195 DEG F. RECORD: START 11:30AM TOTAL MIN 65                                                                  |            |        |             |
| 922<br>6         | 23  | WHEN S22 COMPLETE, SHUT OFF PUMP AND INSERT V-922 FOOT PLUG                                                                                                                             |            |        |             |
|                  | 24  | RUN IN 10" (209G) WATER & HEAT TO 190-195 F CIRCULATE 15 MIN THRU SPARKLER                                                                                                              |            |        |             |
| 922<br>7         | 24B | AND PUMP V-922 THRU SPARKLER INTO V-922/CV                                                                                                                                              |            |        |             |
| 902<br>8         | 25  | RUN 65" (1696G) WATER INTO V-902                                                                                                                                                        |            |        |             |
|                  | 26  | WEIGH SODIUM HYDROXIDE IN V-926 & RUN IN M 12 50.16%                                                                                                                                    | 795        | 7-D    | 399         |
|                  | 27  | DUMP IN FROM S3 LOT 8294                                                                                                                                                                | 79         | 82-C   | 994         |
|                  | 28  | 3-HYDROXY-2-NAPHTHOIC ACID 8343                                                                                                                                                         | 913        |        |             |
|                  | 28A | ADJ TO 70-90 DEG F & STIR TO DISSOLVE                                                                                                                                                   |            |        |             |
| 922<br>9         | 28B | RUN IN 5" (104G) WATER & HEAT TO 190-195 F CIRCULATE 15 MIN THRU SPARKLER                                                                                                               |            |        |             |
| 922<br>10        | 29  | PUMP V-922 THRU SPARKLER INTO V-922/CV                                                                                                                                                  |            |        |             |
|                  | 30  | WHEN MTY BLOW OUT SPARKLER INTO V-922/CV                                                                                                                                                |            |        |             |
|                  | 31  | DISSOLVE ALKANOL XC IN 20G WATER AT 150-160 F FROM HOT WATER MIXER IN DRUM & POUR IN.                                                                                                   | 32         | 133-B  | 32          |
|                  | 32  | HEAT TO 165-170 F FOR S38                                                                                                                                                               |            |        |             |
| 922<br>11        | 33  | RUN 40" (328G) WATER INTO V-932 & ADJ TO 80-100 DEG F.                                                                                                                                  |            |        |             |
|                  | 34  | ADD IN 6-7 MIN DRESINATE X                                                                                                                                                              |            | 530-A  | 378         |
|                  | 35  | STIR 5 MIN & RECORD PH (9.5-10.5)                                                                                                                                                       | 378        |        | 378         |
|                  | 36  | STIR 20 MIN OR LONGER TO DISSOLVE FOR S59                                                                                                                                               |            |        |             |

| EQUIP<br>MENT |    | PAGE 3 OF 4 CG 32 CODE RT-870-D (H)                                                                                          | USE<br>LBS | N-CODE  | ACCT<br>LBS |
|---------------|----|------------------------------------------------------------------------------------------------------------------------------|------------|---------|-------------|
|               |    | NOTE: IF N-740-C SOL. WAS PUMPED DIRECTLY FROM SPARKLER TO CV S21, 24B, 29 OMIT S37 & 38                                     |            |         |             |
| CV            | 37 | RUN 1" (95G) WATER INTO V-                                                                                                   |            |         |             |
| 12            | 38 | PUMP V-904 AT 165-170 DEG F THRU UNDERSURFACE DISTRIBUTOR INTO CV AFAP (12-15 MIN)                                           |            |         |             |
|               | 39 | RUN IN N-28-D HYDROCHLORIC ACID FROM S18 IN 12-15 MIN. MAINTAIN 165-170°F IN CV.                                             |            |         |             |
|               | 40 | STIR 15 MIN AT 165-170 DEG F                                                                                                 |            |         |             |
|               | 41 | ADJ TO 46" (4347G) AT 32-38 DEG F                                                                                            | 54X330     | 57-A    | 17820       |
|               | 42 | RECORD: TEMP <u>32</u> DEG F, VOLUME <u>49</u>                                                                               |            |         |             |
|               | 43 | RUN IN N-725-A SODIUM NITRITE FROM S19 AFAP (5-10 MIN) & RINSE IN PT                                                         |            |         |             |
|               | 44 | NOTE: PROCESS HAS A VERY LOW N-28-D EXCESS CHECK CR VERY CAREFULLY                                                           |            |         |             |
|               | 45 | STIR 20 MIN AT 32-38 DEG F MAINTAINING +CR, +KI FOR S44. RECORD: TIME START <u>4:20pm</u>                                    |            | 57-A    |             |
|               |    | CR <u>+</u> , KI <u>+</u> NOTE:                                                                                              |            |         |             |
|               |    | 1) IF CR-, KI- ADD 20# "AS IS" INCREMENTS RECORD CR <u>+</u> (+) KI <u>+</u> (+)                                             |            |         |             |
|               |    | HYDROCHLORIC ACID ASSUME 32%                                                                                                 |            | 28-D    |             |
|               |    | 2) IF CR+, KI- ADD 20# "AS IS" INCREMENTS RECORD CR <u>+</u> (+) KI <u>+</u> (+)                                             |            |         |             |
|               |    | SODIUM NITRITE ASSUME 33%                                                                                                    |            | 725-A   |             |
|               | 46 | DUMP IN CALCIUM CHLORIDE                                                                                                     | 1026       | 20-A    | 1026        |
|               | 45 | ADD FOR MAINTAINING 32-38 DEG F THRU S55                                                                                     | 32X330     | 57-A    | 10560       |
| PT            | 46 | FILL PT APPROXIMATELY 1/2 FULL WITH 90-110°F WATER FROM HOT WATER MIXER                                                      |            |         |             |
| 13            | 47 | DUMP IN STRONTIUM NITRATE                                                                                                    | 68         | 246-B,E | 68          |
|               | 48 | STIR 30 MIN OR LONGER WITH LIGHTNIN MIXER TO SOLUTION FOR S58                                                                |            |         |             |
| 902           | 49 | WHEN S28A COMPLETE, STEAM EJECT V-921/931 FROM S8 INTO V-902                                                                 |            |         |             |
| 14            | 50 | FOUR IN N-725-A SODIUM NITRITE FROM S20                                                                                      |            |         |             |
|               | 51 | ADD AMMONIUM CHLORIDE                                                                                                        | 213        | 165-A   | 213         |
| CV            | 52 | IMMEDIATELY COUPLE V-902 THRU UNDERSURFACE DISTRIBUTOR INTO CV IN 18-22 MIN. RECORD: START <u>5:18pm</u> TOTAL MIN <u>19</u> |            |         |             |
| 15            |    |                                                                                                                              |            |         |             |
| PT            | 53 | DURING S52 WEIGH SODIUM HYDROXIDE IN PT                                                                                      |            |         |             |
| 16            | 54 | M <u>12</u> 50.16% <u>279</u>                                                                                                |            | 7-D     | 140         |
|               | 55 | DILUTE TO MAXIMUM VOLUME (+/-100G) FOR S56                                                                                   |            |         |             |
| CV            | 56 | WHEN S52 COMPLETE, STIR 30 MIN & RECORD: DIAZO <u>+</u> (+) BASE <u>+</u> (+)                                                |            |         |             |
| 17            | 57 | PH <u>5.0</u> (5.0-6.0) TEMP <u>38</u> (32-38 F)                                                                             |            |         |             |
|               | 58 | RUN SODIUM HYDROXIDE IN PT FROM S54 THRU UNDERSURFACE LINE, RINSE IN PT & STIR 15 MN                                         |            |         |             |
|               | 59 | RECORD: DIAZO <u>-</u> (-) BASE <u>+</u> (+)                                                                                 |            |         |             |
|               | 60 | PH <u>9.5</u> (9.0-9.8)                                                                                                      |            |         |             |
|               | 61 | RUN IN STRONTIUM NITRATE N-246-B,E SOL'N FROM S48 & RINSE IN PT                                                              |            |         |             |
|               | 62 | STEAM EJECT IN V-932 FROM S36                                                                                                |            |         |             |
|               | 63 | STIR 5 MIN & RECORD: PH <u>9.5</u> (9.0-9.8)                                                                                 |            |         |             |

| EQUIP<br>MENT |     | PAGE 4 OF 4 CG 32 CODE RT-870-D (H)                                                                                                                | USE<br>LBS | N-CODE | ACCT<br>LBS |
|---------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|-------------|
| 17<br>CONT    | 161 | IF PH BELOW 9.0 ADJ TO PH 9.0-9.8 WITH<br>N-7-D ONLY. RECORD PH _____<br>SODIUM HYDROXIDE ASSUME 50%                                               |            | 7-D    |             |
|               | 162 | POUR IN 1 OCTANOL                                                                                                                                  | 38         | 588-A  | 38          |
|               | 163 | HEAT TO 193-195 DEG F IN 70-75 MIN & RECORD<br>HT <u>193</u> DEG F AND REC <u>195</u> DEG F                                                        |            |        |             |
|               | 164 | STIR 60 MIN AT 193-195 DEG F.<br>RECORD: START <u>9:25 PM</u>                                                                                      |            |        |             |
|               | 165 | AFTER 20 MIN S64 STIR RECORD:<br>PH <u>8.2</u> (8.8-9.3)<br>IF PH BELOW 8.8, ADJ TO PH 8.8-9.3 WITH<br>N-7-D ONLY. RECORD PH <u>8.8</u> ASSUME 50% | 60         | 7-D    | 30          |
|               | 166 | AFTER S64 STIR, FLOOD TO 180-190"<br>(+/-18,000G) AND STOP AGITATOR                                                                                |            |        |             |

WHEN INSTRUCTED BY PROCESSING AREA HALFWAY  
THRU PRESSING, DUMP IN, STIR 5 MIN & STOP  
AGITATOR. RESUME PRESSING.

10

588-A

10

|                |                 |            |
|----------------|-----------------|------------|
| START          | FIN             | OPTR       |
| <u>7:00 AM</u> | <u>3:00 PM</u>  | <u>409</u> |
| <u>3:00 PM</u> | <u>10:40 PM</u> | <u>320</u> |
| _____          | _____           | _____      |

N-7-D FOR UAT-922

423# weighed on CAUSTIC SCALE

CHECK weight = 420#

Added 3#

N-7-D FOR UAT-902

795# weighed on CAUSTIC SCALE

CHECK weight = 792#

Added 3#

| N-7-D (Drum Weighing) |      |      | Tare 202          |                           |                     |
|-----------------------|------|------|-------------------|---------------------------|---------------------|
| Gross WT              | Tare | Net  |                   |                           |                     |
| 554                   | 202  | 352  | 256<br>202<br>458 | <del>916</del>            | 1412<br>352<br>1100 |
| 612                   | 202  | 410  |                   | 916<br>240<br>1156        | 1412                |
| 356                   | 202  | 154  |                   | 1412<br>1156<br>256       | 916                 |
| 442                   | 202  | 240  |                   |                           | 496                 |
| 458                   | 202  | 256  | 496<br>458<br>36  | 256<br>202<br>458         | 248<br>202<br>450   |
| T.W.                  |      | 1412 |                   | 916<br>240<br>1156<br>256 |                     |

CODE: RT-870 LOT K2K71

LOT K2K71

N- 740 - C

### CHECK-WEIGH & CALCULATE

[illegible]





