

2/1/46

ACTIVE LIQUID DRIERS

For formulation work

P.C.H.

FEB 6 1946

|       |                                                         |
|-------|---------------------------------------------------------|
| D 5   | B Japan                                                 |
| D 9 A | C. C. Japan                                             |
| D 10  | Kingsley Drier                                          |
| D 15  | White Enamel Drier                                      |
| D 29  | Lead Manganese Naphthenate (Lead - 4.5%<br>(Mang. .96%) |
| D 30  | Lead Naphthenate (Lead 6.94%                            |
| D 43  | Zinc Naphthenate (5% Zinc)                              |
| D 44  | Cobalt Naphthenate (1.6% Cobalt)                        |
| D 68  | Manganese Naphthenate (1.6% Manganese)                  |
| D 69  | Iron Naphthenate (3.3% Iron)                            |

INACTIVE SPECIALS AND DISCONTINUED LIQUID DRIERS

|         |                         |                                                                 |
|---------|-------------------------|-----------------------------------------------------------------|
| D 2 A - | Cobalt Resinate         | Special made only at Cleveland, Toronto                         |
| D 3     | Manganese Resinate      | Special made only at Cleveland                                  |
| D 4     | Lead Drier              | Discontinue - use D 30                                          |
| D 6     | B. Drier                | Special, made only where needed                                 |
| D 7     | B. Magic                | Discontinue                                                     |
| D 11    | Varnish Drier           | Discontinue                                                     |
| D 12 A  | Cobalt                  | Discontinue                                                     |
| D 13 B  | 730 B Japan             | Special, make only where needed                                 |
| D 14    | White Grinding Japan    | Discontinue                                                     |
| D 16    | Filler Japan            | Discontinue, use (3 $\frac{1}{2}$ D 5<br>(1 $\frac{1}{2}$ D 9 A |
| D 17    | Spl. White En. Drier    | Discontinue                                                     |
| D 18    | Govt. White En. Drier   | Special, make on order only                                     |
| D 23    | Wood Filler Japan       | Special, made only where needed                                 |
| D 24    | Grinding Japan          | Discontinue, use D 9 A                                          |
| D 31 A  | Cobalt Zinc Naphthenate | - Discontinue, use -(D 43<br>(D 44                              |
| D 32    | Crushers Drier          | Discontinue                                                     |
| D 33 A  | Lead Cobalt Naphthenate | - Discontinue, use (D 30<br>(D 44                               |
| D 34    | Concentrated Cobalt     | Special, made only at Cleveland                                 |
| D 35    | Cobalt Bakelite Drier   | Discontinue                                                     |
| D 36    | Iron Drier              | Discontinue, use D 69                                           |
| D 37    | Turps Japan Drier       | Discontinue                                                     |
| D 38    | Zinc Uversol            | Discontinue, use D 43                                           |
| D 39    | Manganese Uversol       | Discontinue, use D 68                                           |
| D 40    | Cobalt Lead Uversol     | Discontinue, use (D 30<br>(D 44                                 |
| D 45    | Dark Cobalt             | Special, made only at Cleveland                                 |
| D 46    | B & C Kauri Drier       | Special, made only at Cleveland                                 |
| D 47    | #47 Cobalt              | Discontinue, try D 44                                           |
| D 50    | Special 4-A Japan       | Discontinue                                                     |
| D 51    | Y F Japan Drier         | Discontinue                                                     |
| D 60    | H & M Japan             | Discontinue                                                     |
| D 61    | #111 Drier              | Discontinue                                                     |
| D 63-S  | Cobalt Drier            | Discontinue, use half as much D 44                              |
| D 64    | Spec. X White Japan     | Discontinue, use D 15                                           |
| D 67 A  | Lead Mang. Cobalt       | Discontinue- D 30<br>D 44 - D 68                                |
| D 71    | 101 Coach Japan         | Discontinue, use D 9 A                                          |

| OILS                              | S. G.<br>#1 GAL<br>BE' | N. V. | HELLIGE<br>COLOR     | ACID#       | BODY<br>G.H. | COMPOSITION                                                                                  | Iod.#         | R. I. | SAP.#   | GRIND | NEUT. | REM                     |
|-----------------------------------|------------------------|-------|----------------------|-------------|--------------|----------------------------------------------------------------------------------------------|---------------|-------|---------|-------|-------|-------------------------|
| 0 1- RAW<br>LINSEED OIL           | .933<br>7.77<br>20.0   | 100   | 6L                   | BEL.<br>4.0 | B            | PURE RAW OIL                                                                                 | 189H<br>.177W | 1.479 | 189-195 | 1     | N     |                         |
| 0 3- TUNG<br>(CHINA WOOD)<br>OIL  | .942<br>7.85<br>18.6   | 100   | 4-5L                 | 8.0         | J            |                                                                                              | 170W          | 1.517 | 190-195 | 2     | N     |                         |
| 0 4-<br>PERILLA OIL               | .933<br>7.77<br>20.0   | 100   | 4                    | 4.5         | A            |                                                                                              | 200H          | 1.480 | 190     | 1     | N     |                         |
| 0 5- SOYA<br>BEAN OIL             | .925<br>7.70<br>21.3   | 100   | 1-2L                 | 2.5         | B            |                                                                                              | 138H          | 1.474 | 190     | 1     | N     |                         |
| 0 6-<br>MENHADEN OIL              | .930<br>7.75<br>20.5   | 100   | 5-6L                 | 5.2         | A            |                                                                                              | 180H          | 1.479 | 190     | 3     | N     |                         |
| 0 8- ROSIN<br>OIL                 | .992-1.009<br>8.33     | 90 AP | 8L-8                 | 70.0        | Z            |                                                                                              | 100<br>175H   | 1.536 |         | 3     | R     |                         |
| 0 9- AGED<br>RAW LINSEED          | .953<br>7.94<br>16.9   | 100   | 4-5L                 | 3.0         | J            |                                                                                              | 165H          | 1.482 |         | 1     | N     |                         |
| 0 17- CORN<br>OIL                 | .925<br>7.70<br>21.3   | 100   | 1-2L                 | BEL.<br>1.0 | B            |                                                                                              | 30-140<br>H   | 1.473 | 190     | 1     | N     |                         |
| 0 18-<br>CREOSOTE OIL             | .980<br>8.16<br>13.0   | 0     | 7-8L                 | —           | A-1½         |                                                                                              | —             |       |         | 3     | —     | DIST.<br>FLASH          |
| 0 19<br>NEUTRAL OIL               | .861<br>7.17<br>32.6   |       | W. W.<br>O AMBER     | 2.5         | C            |                                                                                              | —             |       |         | 3     | —     | FLASH<br>50-60<br>DIST. |
| 0 27<br>CASTOR OYL                | .959<br>8.00<br>16.0   | 100.0 | W. W.                | 1.0         | U            |                                                                                              | 128H          | 1.477 | 180     | 1     | N     |                         |
| 0 40-<br>L & M OIL                | 1.007<br>8.39<br>1.0   | 100.0 | 9+                   | 30.0        | Z5           | 0-2 9.5% UNBER 0.12 Pb 3.2 125H<br>Pb 0 1.23 MNO- MN 0.5<br>Pb304 2.40 (FROM 041) 0.9 FE 0.3 | 1.495         |       |         | 2     | —     |                         |
| 0 41<br>Hvy MN OIL                | 0.944<br>7.86<br>18.3  | 100.0 | 8L<br>S-LT.<br>MUDDY | 2.5         | U-V          | 0-2 - 94%<br>MNO- 6% MN-2.78% CA. C.                                                         |               |       |         | 3     | —     |                         |
| 0 42-<br>#4 LITHO OIL             | 0.971<br>8.08<br>14.2  | 100.0 | 7L                   | 20-25       | Z 4          | 0-2 - 94%<br>ROSIN 6%                                                                        |               |       |         | 4     | S     | 120 GA<br>COOL T        |
| 0 52- ALK.<br>REF. LINSEED<br>OIL | .933<br>7.77<br>20.0   | 100.0 | 3L                   | BEL.<br>0.5 | B            |                                                                                              | 188H          | 1.479 | 190     | 1     | N     |                         |

| OILS                                      | S.G.<br>#1 GAL<br>P.L. | N. V. | HELLIGE<br>COLOR | ACID<br>G.H. | BODY<br>G.H. | COMPOSITION                    | TOP. # | R. I. | SAP. # | GRIND | REMARKS      |
|-------------------------------------------|------------------------|-------|------------------|--------------|--------------|--------------------------------|--------|-------|--------|-------|--------------|
| 0 60- Non-Bk<br>RAW LINSEED<br>OIL        | .935<br>7.79<br>19.7   | 100.0 | 5-6L             | 3.5          | B            |                                | 186H   | 1.480 | 190    | 1 N   |              |
| 0 62- H.B.<br>BLOWN SOYA<br>OIL           | .985<br>8.21<br>12.1   | 100.0 | 2-3L             | 10.0         | 22-23        |                                | 85H    | 1.485 |        | 2 N   |              |
| 0 63-<br>H.B. LINSEED                     | .961<br>8.01<br>15.7   | 100.0 | 4L               | 14.5         | Y-Z          |                                | 136H   |       |        | 2 N   |              |
| 0 64- H. B.<br>BLOWN LINSEED              | .985<br>8.21<br>12.1   | 100.0 | 5                | 6.3          | Z-2          | /                              | 136 H  | 1.487 |        | 2 N   |              |
| 0 65-<br>#600 OIL<br>(LT. BODIED LINSEED) | .935<br>7.79<br>19.7   | 100   | 3-3L             | 2.0          | D            |                                |        |       |        | 1 N   |              |
| 0 97- BAKER'S<br>#15 BLOWN<br>CASTOR      | 1.016<br>8.46<br>2.3   | 100   | 6L               | 12-15.0      | Z6+          |                                | 65.0H  | 1.484 |        | 3     |              |
| 0 125-SUPER-<br>BLEACHED SOYA<br>OIL      | .925<br>7.70<br>20.3   | 100   | 1L               | 2.0          | A-B          |                                | 138    | 1.474 | 190    | 2 N   |              |
| 0 127-<br>H. BLOWN FISH<br>OIL            | 1.003<br>8.35<br>0.05  | 100   | 6-7L             | 10.0         | Z 6+         |                                | 115    | 1.489 |        | 2     |              |
| 0 128- SUPER<br>BLEACHED<br>PERILLA OIL   | .933<br>7.77<br>20.0   | 100   | 1L               | 3.5          | B            |                                | 200    | 1.480 | 190    | 2 N   | Top-Notched. |
| 0 131-<br>WALNUT OIL                      | .928<br>7.73<br>20.9   | 100   | 6L-6             | 3-4          | B            |                                | 170    | 1.476 | 190    | 1 N   |              |
| 0 132- SUPER-<br>BLEACHED<br>LINSEED OIL  | .933<br>7.77<br>20.0   | 100   | 2L               | 2.75         | B            |                                | 185    | 1.479 | 190    | 1 N   |              |
| 0 141-<br>SUPER-BLEACHED<br>WALNUT OIL    | .928<br>7.73<br>20.9   | 100   | 1                | 2.29         | B            |                                | 170    | 1.476 | 190    | 1 N   |              |
| 0 149-<br>H.B. Wood<br>OIL                | .975<br>8.12<br>13.6   | 100   | 4                | BEL.<br>0.5  | Z 4          |                                |        |       |        | 4     |              |
| 0 151-<br>BODIED BLOWN<br>WALNUT OIL      | .989<br>8.24<br>11.6   | 100   | 3                | 9            | Z 2          |                                |        |       |        | 2 S   |              |
| 0 152- Low<br>ACID OIL<br>(RC-302)        | .959<br>7.99<br>16.0   | 100   | 2L-2             | BEL.<br>6.0  | X-Y          | SUPER BLEACHED PERILLA<br>100% |        |       |        | 1 N   |              |

| OILS                                      | S.G.<br># GAL<br>NET | N. V. | HELLIGE<br>COLOR | ACID# | BOOY<br>G.H. | COMPOSITION                          | 100.1 | R. I. | SAP. # | GRIND | REMARKS                                   |
|-------------------------------------------|----------------------|-------|------------------|-------|--------------|--------------------------------------|-------|-------|--------|-------|-------------------------------------------|
| 0 154-<br>RODIED PERILLA<br>ON (VR-31493) | .970<br>8.03<br>14.3 | 100   | 2                | 6.3   | Z-4          | PERILLA 100%                         |       |       |        | 1     | N                                         |
| 0 155-<br>SUNFLOWER OIL<br>(G RO-305)     | .974<br>8.12<br>13.7 | 100   | 7L               | 17.3  | U-V          | W. Oil 23.0<br>OS2 68.4<br>ROSIN 5.9 |       |       |        | 1     | 0.492 # GUM/GALLON<br>.983 GAL OIL/GALLON |
| 0 163-<br>LITHO OIL<br>(G RO-303)         | .971<br>8.09<br>14.2 | 100   | 6L-6             | 35-40 | Z 6-1        | ALK RFD. LINSEED 100%                |       |       |        | 3     | S                                         |
| 0 166-<br>SUNFLOWER<br>SEED OIL           | .923<br>7.69<br>21.7 | 100   | .3               | 2.5   | B            |                                      | 136   | 1.474 | 190    | 1     | N                                         |

| OILS                                | S. G. GAL BE         | N. V. | HELLIGE COLOR | ACID | BODY G.H. | COMPOSITION                                                    | IOD. #             | R. I. SAP. | CRIND. | NEUT. | REMARKS                                                         |
|-------------------------------------|----------------------|-------|---------------|------|-----------|----------------------------------------------------------------|--------------------|------------|--------|-------|-----------------------------------------------------------------|
| 0 2- ACID REFINED LINSEED OIL       | .933<br>7.77<br>20.0 | 100   | 4L            | 8.5  | B         |                                                                | 189 H<br>AB. 177 W | 1.479 190  | 1      | N     |                                                                 |
| 0 34 EXTRA HVY-BLEACHED LINSEED     | .967<br>8.05<br>14.8 | 100.0 | 5L-5          | 25   | Z5        | 052.                                                           |                    |            | 1      | N     | 120 GAL SLOWLY TO 600-<br>HOLD 5-6 HRS.                         |
| 0 48 B B OIL                        | .954<br>7.95<br>16.7 | 100.0 | 8L<br>MUDDY   | 12.5 | -K        | 02- 98.2<br>P80- 0.76<br>MANBOR- 1.01                          | Pa- .70<br>Mn- .20 |            | 1      | N     |                                                                 |
| 0 61- LT. BODY BLOWN SOYA OIL       | .942<br>7.85<br>18.6 | 100.0 | 1             | 2.1  | F         |                                                                | 122 H              | 1.477      | 2      | N     |                                                                 |
| 0 129 BODIED WOOD OIL               | .949<br>7.91<br>17.5 | 100   | 5L-5          | 9.0  | X         | WOOD OIL- AT<br>375 F FOR<br>3 1/2 HOURS                       |                    |            |        | R     |                                                                 |
| 0 133 HVY BLOWN O63                 | 1.019<br>8.49<br>2.7 | 100.0 | 6-7L          | 13   | Z6        |                                                                |                    |            | 2      | S     |                                                                 |
| 0 144-MED. BL. SOYA OIL             | .968<br>8.06<br>14.6 | 100   | 2-2L          | 9    | V         |                                                                |                    |            | 2      | N     |                                                                 |
| 0 145 MED. BLOWN CORN OIL           | .972<br>8.10<br>14.0 | 100.0 | 1L-1          | 9    | Z 1       |                                                                |                    |            | 2      | N     |                                                                 |
| 0 156- PALE ENAMEL OIL (VR 31458)   | .925<br>7.71<br>21.3 | 80    | 4L            |      | P         | W 26.8<br>P 52.8<br>GT 10.3<br>Zn(Co NO3)<br>0.31<br>PBAC 0.62 |                    |            | 3      | N     | .782- GAL OIL P. GAL.<br>.218- GAL RED P. GAL.<br>OILS BLEACHED |
| 0 159 X. HVY BLOWN SOYA             | .985<br>8.21<br>12.1 | 100   | 3L            | 11.0 | Z 5       | 100% SOYA                                                      |                    |            |        | N     |                                                                 |
| 0 162 H.B. BLOWN SUNFLOWER SEED     | .985<br>8.21<br>12.1 | 100.0 | 3L-3          | 10.0 | Z2-Z3     |                                                                |                    |            | 2      | ---   |                                                                 |
| 0 164 M.B. BLOWN SUNFLOWER SEED     | .968<br>8.06<br>4.6  | 100.0 | 2-3L          | 8-9  | V         |                                                                |                    |            | 1      | ---   |                                                                 |
| 0 165 ENAMEL OIL (VR 30715)         | .955<br>7.95<br>16.6 | 100   | 2L-2          | 4-5  | X-Y       | O.K.O S37- 98.4<br>BAYBERRY WAX 1.6                            |                    |            | 1      | N     |                                                                 |
| 0 167 SUPER-BLEACHED SUNFLOWER SEED | .923<br>7.69<br>21.7 | 100.0 | 1L-1          | 2.0  | B         |                                                                | 136                | 1.474 190  | 2      | ---   |                                                                 |
| 0 171 SANITARY                      | .973<br>8.11<br>4.0  | 100   | 5L-5          | 25   | Z2-Z3     | ROSIN 11.4<br>W OIL 44.7                                       |                    |            |        |       |                                                                 |

2.08

# OILS

| <u>Linseed</u><br><u>Oils</u> | <u>Linseed</u><br><u>Oils</u> | <u>Wood Oils</u>             | <u>Perilla</u><br><u>Oils</u> | <u>Soya Bean</u><br><u>Oils</u> | <u>Fish Oils</u> | <u>Hempseed</u><br><u>Oils</u> | <u>Corn</u><br><u>Oils</u> |
|-------------------------------|-------------------------------|------------------------------|-------------------------------|---------------------------------|------------------|--------------------------------|----------------------------|
| 0-1                           | 0-107                         | 0-3                          | 0-4                           | 0-5                             | 0-6              | 0-15                           | 0-17                       |
| 0-2                           | 0-108                         | 0-129                        | 0-128                         | 0-61                            | 0-51             | 0-194                          | 0-100                      |
| 0-7                           | 0-109                         | 0-149                        | 0-152                         | 0-62                            | 0-127            | 0-195                          | 0-145                      |
| 0-9                           | 0-110                         | 0-173                        | 0-154                         | 0-82                            | 0-139            | 0-196                          |                            |
| 0-10                          | 0-111                         | 0-193                        |                               | 0-84                            | 0-146            | 0-198                          |                            |
| 0-11                          | 0-112                         |                              |                               | 0-125                           | 0-147            |                                |                            |
| 0-12                          | 0-113                         |                              |                               | 0-144                           | 0-153            |                                |                            |
| 0-13                          | 0-114                         |                              |                               | 0-159                           | 0-157            |                                |                            |
| 0-14                          | 0-121                         |                              |                               |                                 | 0-169            |                                |                            |
| 0-28                          | 0-122                         |                              |                               |                                 | 0-178            |                                |                            |
| 0-34                          | 0-126                         |                              |                               |                                 | 0-180            |                                |                            |
| 0-35                          | 0-132                         |                              |                               |                                 | 0-188            |                                |                            |
| 0-59                          | 0-133                         |                              |                               |                                 | 0-203            |                                |                            |
| 0-60                          | 0-134                         |                              |                               |                                 | 0-206            |                                |                            |
| 0-63                          | 0-135                         |                              |                               |                                 |                  |                                |                            |
| 0-64                          | 0-136                         |                              |                               |                                 |                  |                                |                            |
| 0-65                          | 0-137                         |                              |                               |                                 |                  |                                |                            |
| 0-67                          | 0-138                         |                              |                               |                                 |                  |                                |                            |
| 0-68                          | 0-163                         |                              |                               |                                 |                  |                                |                            |
| 0-83                          | 0-172                         | <u>Castor</u><br><u>Oils</u> |                               |                                 |                  |                                |                            |
| 0-91                          | 0-174                         |                              |                               |                                 |                  |                                |                            |
| 0-96                          | 0-176                         |                              |                               |                                 |                  |                                |                            |
| 0-99                          | 0-184                         | 0-27                         | <u>Walnut</u><br><u>Oils</u>  | <u>Sunflower</u><br><u>Oils</u> |                  |                                |                            |
| 0-101                         | 0-199                         | 0-71                         |                               |                                 |                  |                                |                            |
| 0-102                         | 0-210                         | 0-97                         |                               |                                 |                  |                                |                            |
| 0-103                         | 0-213                         | 0-150                        | 0-131                         | 0-162                           |                  |                                |                            |
| 0-104                         | 0-217                         | 0-189                        | 0-141                         | 0-164                           |                  |                                |                            |
| 0-105                         | 0-230                         | 0-201                        | 0-151                         | 0-166                           |                  |                                |                            |
| 0-106                         | 0-263                         | 0-205                        | 0-161                         | 0-167                           |                  |                                |                            |
|                               |                               | 0-260                        | 0-181                         | 0-207                           |                  |                                |                            |

This list covers the raw oils, heat bodied oils, and blown bodied oils. Oils that are kettle treated with driers and other materials added, are not included as they are made from the raw or refined oils.