

| RAW MATERIAL CHARACTERISTICS AND TESTING           |                 |      |      |        |                                                              |      |      |      |        |
|----------------------------------------------------|-----------------|------|------|--------|--------------------------------------------------------------|------|------|------|--------|
| TRADE NAME <u>Basic Lead Sulfate</u>               |                 |      |      |        | DATE <u>4-30-52</u> NO. <u>6810</u>                          |      |      |      |        |
| CHEMICAL NAME <u>Basic Lead Sulfate</u>            |                 |      |      |        | CARD NO. <u>1</u> PREVIOUS NO. <u>9</u>                      |      |      |      |        |
| USAGE (NAME & NO.) <u>Paints</u>                   |                 |      |      |        | COMPOSITION SUB-CLASS <u>6810</u>                            |      |      |      |        |
| BULK <u>1.88</u> GALS./100 LBS. LBS./GAL. <u>0</u> |                 |      |      |        | MOST SIMILAR CLASSIFIED NO. <u>6815</u>                      |      |      |      |        |
| EXPAN. COEFF. 0.000 PER °F FLASH PT. <u>0</u>      |                 |      |      |        | °F (TOC) STORAGE LOSS <u>0</u> TANKS <u>0</u> DRUMS <u>0</u> |      |      |      |        |
| ROUTINE TESTS (RUN ON EACH SHIPMENT)               |                 |      |      |        | SECONDARY TESTS (RUN DIFFERENT ONE EACH SHIPMENT)            |      |      |      |        |
| TEST                                               | MIN.            | STD. | MAX. | METHOD | TEST                                                         | MIN. | STD. | MAX. | METHOD |
| Color                                              | Not darker than |      |      | 421.   | Residue 325 $\mu$ , %                                        |      |      | 1.0  | 410    |
|                                                    | Standard        |      |      |        | Lead Oxide, %                                                |      |      | 28   | 706    |
|                                                    |                 |      |      |        | Zinc Oxide, %                                                |      |      | 5.0  | 709    |
| Texture                                            | Equal to Std.   |      |      | —      | Total Impurities including                                   |      |      |      |        |
|                                                    |                 |      |      |        | Volatile, %                                                  |      |      | 1.0  | 407.1  |
|                                                    |                 |      |      |        | Lead Sulfate Balance                                         |      |      |      | 407.1  |
|                                                    |                 |      |      |        | Oil Abs.                                                     |      |      | 16.0 | 419.1  |

N15820

0007-SWP-0048457

| NAME OF SUPPLIER                                                                                                                                                                                                                         | SUPPLIERS CODE NO. OR NAME | SAMPLE REPORT |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------|
| Eagle Pitcher Lead                                                                                                                                                                                                                       | Super Sublimed White Lead  |               |
| GENERAL DESCRIPTION: (SHOW CHEMICAL ANALYSIS IF AVAILABLE)                                                                                                                                                                               |                            |               |
| <p>STD. SAMPLE ISSUE DATE <u>7/3/41</u> DISTRIBUTED BY <u>A</u></p> <p>PURCHASE SPEC'N. DATE <u>1-4-41</u> REFERENCE LAB. <u>8</u> PREP'D. BY <u></u></p> <p>REPLACING SPEC'N. DATE <u></u> ASSIGNMENT REQUESTED BY <u>JDBaldwin</u></p> |                            |               |

0007-SWP-0048458

# RAW MATERIAL CHARACTERISTICS AND TESTING

X167

TRADE NAME Basic Lead Sulfate DATE 7 9 52 NO. 6810  
 CHEMICAL NAME Basic Lead Sulfate CARD NO. 2 PREVIOUS NO. 9  
 COMPOSITION SUB-CLASS: 6810  
 USAGE (NAME & NO.) Paints MOST SIMILAR CLASSIFIED NO. 6815  
 BULK 1.88 GALS./100 LBS. " LBS./GAL. 0 ° ° RELATED NOS. \_\_\_\_\_  
 EXPAN. COEFF. 0.000 PER °F FLASH PT. \_\_\_\_\_ °F (TOC) STORAGE LOSS \_\_\_\_\_ TANKS \_\_\_\_\_ DRUMS

| ROUTINE TESTS (RUN ON EACH SHIPMENT) |      |      |      |        | SECONDARY TESTS (RUN DIFFERENT ONE EACH SHIPMENT) |      |      |      |        |
|--------------------------------------|------|------|------|--------|---------------------------------------------------|------|------|------|--------|
| TEST                                 | MIN. | STD. | MAX. | METHOD | TEST                                              | MIN. | STD. | MAX. | METHOD |
| Color Not darker than Standard       |      |      |      | 421    | Residue 325, %                                    |      |      | 1.0  | 410    |
|                                      |      |      |      |        | Lead Oxide, % 15                                  |      |      | 28   | 706    |
|                                      |      |      |      |        | Zinc Oxide, %                                     |      |      | 5.0  | 709    |
| Texture Equal to Std.                |      |      |      | —      | Total Impurities including Volatile, %            |      |      | 1.0  | 407.1  |
|                                      |      |      |      |        | Lead Sulfate Balance                              |      |      |      | 407.1  |
|                                      |      |      |      |        | Oil Abs.                                          |      | 16.0 |      | 407.1  |

N15820.01

0007-SWP-0048459

| NAME OF SUPPLIER                                                                                                                                                                                                                               | SUPPLIERS CODE NO. OR NAME | SAMPLE REPORT |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------|
| Eagle Pitcher Lead                                                                                                                                                                                                                             | Super Sublimed White Lead  |               |
| <p>GENERAL DESCRIPTION: (SHOW CHEMICAL ANALYSIS IF AVAILABLE)</p>                                                                                                                                                                              |                            |               |
| <p>STD. SAMPLE ISSUE DATE <u>7-3-17</u> DISTRIBUTED BY <u>A</u></p> <p>PURCHASE SPEC'N. DATE <u>9/9/52</u> REFERENCE LAB. <u>A</u> PREP'D. BY _____</p> <p>REPLACING SPEC'N. DATE <u>6/30/43</u> ASSIGNMENT REQUESTED BY <u>JD Baldwin</u></p> |                            |               |

0007-SWP-0048460

| RAW MATERIAL CHARACTERISTICS AND TESTING                                                          |                 |      |      |        |                                                   |               |      |      |        |
|---------------------------------------------------------------------------------------------------|-----------------|------|------|--------|---------------------------------------------------|---------------|------|------|--------|
| TRADE NAME <u>Basic Lead Sulfate</u>                                                              |                 |      |      |        | DATE <u>8-8-57</u> NO. <u>6810</u>                |               |      |      |        |
| CHEMICAL NAME <u>Basic Lead Sulfate</u>                                                           |                 |      |      |        | CARD NO. <u>3</u> PREVIOUS NO. <u>9</u>           |               |      |      |        |
| USAGE (NAME & NO.) <u>Paints</u>                                                                  |                 |      |      |        | COMPOSITION SUB-CLASS: <u>6810</u>                |               |      |      |        |
| BULK <u>1.88</u> GALS./100 LBS. LBS./GAL. <u>0</u> ° RELATED NOS.                                 |                 |      |      |        | MOST SIMILAR CLASSIFIED NO. <u>6815</u>           |               |      |      |        |
| EXPAN. COEFF. 0.000 PER °F FLASH PT. <u>0</u> °F (TOC) STORAGE LOSS <u>0</u> TANKS <u>0</u> DRUMS |                 |      |      |        |                                                   |               |      |      |        |
| ROUTINE TESTS (RUN ON EACH SHIPMENT)                                                              |                 |      |      |        | SECONDARY TESTS (RUN DIFFERENT ONE EACH SHIPMENT) |               |      |      |        |
| TEST                                                                                              | MIN.            | STD. | MAX. | METHOD | TEST                                              | MIN.          | STD. | MAX. | METHOD |
|                                                                                                   |                 |      |      |        | Strength                                          | Equal to std. |      |      | 122.2  |
| Color                                                                                             | Not darker than |      |      | 121.   | Residue 325M, %                                   |               |      | 1.0  | 110    |
|                                                                                                   | std.            |      |      |        | Lead Oxide, %                                     |               |      | 28   | 704    |
|                                                                                                   |                 |      |      |        | Zinc Oxide, %                                     |               |      | 5.0  | 709    |
| Texture                                                                                           | Equal to std.   |      |      | ---    | Total Impurities including                        |               |      |      |        |
|                                                                                                   |                 |      |      |        | Volatile, %                                       |               |      | 1.0  | 107.1  |
|                                                                                                   |                 |      |      |        | Lead Sulfate Balance                              |               |      |      | 705.1  |
|                                                                                                   |                 |      |      |        | Oil Abs.                                          |               |      | 16.0 | 119.1  |

0007-SWP-0048461

N15820.02

| NAME OF SUPPLIER   | SUPPLIERS CODE NO. OR NAME | SAMPLE REPORT |
|--------------------|----------------------------|---------------|
| Eagle Pitcher Lead | Super Sublimed White Lead  |               |

GENERAL DESCRIPTION: (SHOW CHEMICAL ANALYSIS IF AVAILABLE)

TT-2-321A

Basic Lead Sulfate (Basicity - 15 to 28% as PbO)

STD. SAMPLE ISSUE DATE \_\_\_\_\_ DISTRIBUTED BY \_\_\_\_\_  
 PURCHASE SPEC'N. DATE \_\_\_\_\_ REFERENCE LAB. \_\_\_\_\_ PREP'D. BY \_\_\_\_\_  
 REPLACING SPEC'N. DATE \_\_\_\_\_ ASSIGNMENT REQUESTED BY \_\_\_\_\_

0007-SWP-0048462

68-10 00 RAW MATERIAL CHARACTERISTICS AND TESTING 11-37 X127

TRADE NAME Sublimed White Lead DATE 4-20-61 NO. 6810

CHEMICAL NAME Basis Lead Sulfate CARD NO. 4 PREVIOUS NO. 9

COMPOSITION SUB CLASS: 6810

USAGE (NAME & NO.) Paints MOST SIMILAR CLASSIFIED NO. 6015

PULP 85 GALS./100 LBS. LBS./GAL. 6 ° RELATED NOS.

WETAN. COEFF. 0.000 PER OF FLASH PT. ° F (TCC) STORAGE LOSS. TANKS. DRUMS

| ROUTINE TESTS (RUN ON EACH SHIPMENT)            |      |      |      |        | SECONDARY TESTS (RUN DIFFERENT ONE EACH SHIPMENT) |      |      |      |        |
|-------------------------------------------------|------|------|------|--------|---------------------------------------------------|------|------|------|--------|
| TEST                                            | MIN. | STD. | MAX. | METHOD | TEST                                              | MIN. | STD. | MAX. | METHOD |
| Color                                           |      |      |      |        | Strength                                          |      |      |      |        |
| Texture                                         |      |      |      |        | Residue                                           |      |      |      |        |
|                                                 |      |      |      |        | 325 mesh                                          |      |      | 1.0  | 410    |
|                                                 |      |      |      |        | Oil Abs.                                          |      |      | 8.0  | 419.1  |
| Revised to conform to supplier's specifications |      |      |      |        | Meets:                                            |      |      |      |        |
|                                                 |      |      |      |        | Fed. TT-W-261a                                    |      |      |      |        |
|                                                 |      |      |      |        | ASTM D-82-44                                      |      |      |      |        |

N15820.03

0007-SWP-0048463

| NAME OF SUPPLIER   | SUPPLIER'S CODE NO. OR NAME         | SAMPLE REPORT |
|--------------------|-------------------------------------|---------------|
| Kaiser-Fischer Co. | No. 11 Super Sublimed<br>White Lead |               |

GENERAL DESCRIPTION: (SHOW CHEMICAL ANALYSIS IF AVAILABLE)

Basic Lead Sulfate Pigment  
 Typically 16.5% PbO  
 83.5% PbSO<sub>4</sub>

STD. SAMPLE ISSUE DATE \_\_\_\_\_ DISTRIBUTED BY Cleveland Tech Service  
 PURCHASE SPECIM. DATE \_\_\_\_\_ REFERENCE LAB. A PREP'D. BY JAD:Gallo  
 REPLACING SPECIM. DATE \_\_\_\_\_ ASSIGNMENT REQUESTED BY UBellamy

0007-SWP-0048464

FORMULA RECORD 70238 (A-133)  
HCVME LAB. Cleveland Coatings DATE 1/3/72 REX. NO. 68 10 00  
NAME Sublimed White Lead Sulfate CARD NO. 5  
CUSTOMER \_\_\_\_\_

VOID - No Usage

FORMULATOR R.S. Taub APPROVED R.L. Collins

N15820.04

0007-SWP-0048465