BOUCHER
1-7-74
WLK PLANT

LYNCH PROCESS FOR REWORK OF CONTIMINATED 1016

HAS: 0.4% UNOR4-206 dieparide
0.2% dioctylphthalate

350,000 pounds (30,000 gallons)

ASSUME 1000 gallon batch.

DESCRIPTION OF PROCESS.

SULFURIC ACID WASH

10% by weight of 93% $H_2SO_4$

| | | |
|---|---|---|
| CHARGE | 1 HOUR | |
| AGITATE FOR | 4 HOURS | |
| SETTLE | 1 HOUR | |
| DECANT | 1 HOUR | (1% LOSS) |
| | 7 HOURS | |

WASH

① CAUSTIC WASH (1% LOSS)

25% OF BATCH VOLUME

1% ACID MUST BE NEUTRALIZED

CYCLE 3 HOURS

② WATER WASH (1% LOSS)

25 # $H_2O$ / 100 # CRUDE

CYCLE 3 HOURS

$H_2O$ REMOVAL

HEAT TO 110-120°C

AIR BLOW (WATCH FOR PCB's LOSSES)

DISTILLATION RATE 800 gallons 1st / 6 HOURS

| | |
|---|---|
| LIME TREATMENT | |
| STRAIGHT TAKE OVER | (4% LOSS) |
| DISCARD FIRST 10% | (10% LOSS) |
| POROCEL TREATMENT | |
| SEPARATE STORAGE | |

DSW 297619

STLCOPCB4067532