

*NISOC SPECIFICATION  
DRILLING FLUIDS PRODUCT DATA*

***O.B.M S. EMUL.***

**Product Description Product Description:**

Secondary or supplementary emulsifier is kind of polyamide which used in oil muds to impart emulsification performance of water-in-oil emulsion systems containing high concentration of salt, has ability to impart high temperature stability of oil mud. Soluble in gas oil.

**Application:**

- Emulsifier.
- Wetting agent.
- Surfactant.

**Typical Physical Properties:**

| <i>TEST No.</i>              |       | <i>1</i> | <i>2</i> | <i>3</i> | <i>4</i> |
|------------------------------|-------|----------|----------|----------|----------|
| OIL/WATER                    | RATIO | 60/40    | 80/20    | 60/40    | 80/20    |
| M.W                          | PCF   | 64       | 90       | 64       | 90       |
| GASOIL                       | ML    | 187.5    | 181.5    | 187.5    | 181.5    |
| O.B.M.P.EMUL.                | ML    | 10.5     | 10.5     | 10.5     | 10.5     |
| LIME                         | GR    | 12       | 8        | 12       | 8        |
| O.B.M F.L.C                  | GR    | 13       | 10       | 13       | 10       |
| S.S.W                        | ML    | 140      | 57       | -        | -        |
| SAT. CaCl <sub>2</sub> WATER | ML    | -        | -        | 140      | 57       |
| O.B.M VISCOSIFIER            | GR    | 0.5      | 0.5      | 0.5      | 0        |
| O.B.M.S.EMUL.                | ML    | 3.5      | 3.5      | 3.5      | 3.5      |
| L.S.P                        | GR    | -        | 245      | -        | 238      |

*O.B.M S. EMUL. Continue :*





| ROLLED IN ROLL.OVEN AT 200 & 250 °F FOR 4 HRS<br>FANN VIS. RUN AT 140 °F AND HPHT F.L. AT 180 & 250°F WITH 500 PSI |          |         |         |         |
|--------------------------------------------------------------------------------------------------------------------|----------|---------|---------|---------|
| REQ.                                                                                                               | 1        | 2       | 3       | 4       |
| P.V CPS                                                                                                            | 15       | 20      | 15      | 20      |
| Y.P LB/100FT <sup>2</sup>                                                                                          | 10       | 10      | 10      | 10      |
| GELS. LB/100FT <sup>2</sup>                                                                                        | 6/7      | 4/5     | 6/7     | 4/5     |
| E.S VOLTS                                                                                                          | 250 _min | 300 min | 400 min | 450 min |
| HPHT F.L. ML                                                                                                       | 3 max    | 3 max   | 3 max   | 3 max   |
| SETELLING                                                                                                          | NIL      | NIL     | NIL     | NIL     |

### Recommended Treatment:

It depends on emulsified water and weighting agent amounts.  
Add 0.2-0.4 gal/bbl.

### Source :

KPA

### Packaging :

55 US gallon metal drums.

Marked on: *Name of Manufacturer, Batch No. and Production date.*

### Safety Handling:

- Avoid skin contact, in case of contact wash with water and soap.
- Use gloves and goggles during usage.
- Keep in sheltered place.

