



Technical Data Sheet

Product Name: Anchoid LSS

NON FOAMING PIGMENT DISPERSANT

Anchoid LSS is a sodium salt of a medium molecular weight formaldehyde condensate of naphthalene sulphonic acid and is offered as a spray dried powder.

TYPICAL PROPERTIES

| | |
|------------------------|-------------|
| Total solids % w/w: | 92 min |
| Sodium sulphate % w/w: | 10.0 max |
| pH 2% solution w/v: | 7.5 +/- 1.0 |

MECHANISM

Anchoid LSS modifies the ionic surface of a particle in water, rendering the particles mutually repellent. This action only promotes deflocculation of the particles. **Anchoid LSS** does not lower the surface or interfacial tension of the resultant colloidal system, so there is no tendency to foam.

APPLICATION

Anchoid LSS is used in the manufacture of aqueous pigment dispersions as a grinding, stabilising and dispersing agent.

The use of **Anchoid LSS**:

Allows the production of high solids content pigment pastes.

Reduces grinding time.

Improves paste stability.

Promotes faster and easier dispersion.

The addition level is dependant on the pigment type, concentration and consistency required. As a general guide 0.5% 2.0% w/w **Anchoid LSS** to pigment is used.

DOSAGE RATES

The following table suggests some typical levels and concentrations which will produce free flowing pastes.

| Pigment | Percentage of solids | Percentage of Anchoid LSS |
|------------------|----------------------|----------------------------------|
| Chrome Yellow | 70.00 | 1.55 |
| Chrome Orange | 75.00 | 1.60 |
| Red Iron Oxide | 53.00 | 0.80 |
| Carbon Black | 47.00 | 1.85 |
| Titanium Dioxide | 42.00 | 2.00 |

N.B. The dispersing capability of **Anchoid LSS** is enhanced in alkaline conditions.

Anchoid LSS can also be used as an additive to dispersible pigments to aid rewetting and dispersion. Suggested addition levels are between 0.1% and 0.5 % w/w **Anchoid LSS** to pigment.

PACKAGING AND STORAGE

Anchoid LSS is supplied in multi ply paper bags and should be stored in a dry place. Detailed handling information is available on a separate Health and Safety Data Sheet.