

# Technical Data Sheet

## 420 Red Iron Oxide



### Introduction:

Blue shade red iron oxide pigment

CAS No. 1309-37-1

### Uses:

420 Red Iron Oxide is used in the paint and rubber industries to give a distinct red colour.

420 Red Iron Oxide complies with EN12878:2005

### Typical Characteristics:

| Composition |   |                     |              |             |
|-------------|---|---------------------|--------------|-------------|
|             | Substance                                 | % Min Weight        | % Max Weight | Test Method |
|             | Fe <sub>2</sub> O <sub>3</sub>            | 94                  | 99           | XRF         |
|             | SiO <sub>2</sub>                          | 0.05                | 0.3          | XRF         |
|             | Al <sub>2</sub> O <sub>3</sub>            | 0.01                | 0.2          | XRF         |
|             | Moisture (Measured at time of production) | 0                   | 0.6          | ISO 787/2   |
| Properties  |   |                     |              |             |
|             | Description                               | Unit                | Value        | Test Method |
|             | pH  | ---                 | 3.5-8        | ISO 787/9   |
|             | Particle Size                             | Sieve Residue + 63µ | 0.5          | ISO 787/7   |
|             | Colour Difference                         | DE                  | 1.0 max      | CIElab      |
|             | Tinting Strength                          | %                   | 95 – 105     |             |
|             | Water Soluble Salts                       | %                   | 0.35         |             |
|             | Soluble Chloride                          | %                   | 0.006        |             |
|             | Total Chloride                            | %                   | 0.007        |             |

### Packaging:

Large Quantities:

24 x 25-kilo multi-ply paper bags on strong wooden pallet. (600 kg pallets)

Small Quantities:

Over slipped with strong multiwall paper sacks

### Shelf Life:

If stored in dry conditions, out of direct sunlight and avoidant of extreme temperatures, product performance should be unimpaired for 5 years.

### Health & Safety:

Detailed advice on the Health & Safety aspects of this product is given in the individual product Safety Data Sheet (SDS), available upon request.