**Product description (OXFMEE-P816)**

**Product chemistry name：**

Fatty acid methyl ester and ethylene oxide addition

**Product application：**

OXFMEE-P816 products are a class of nonionic surfactants derived from fatty acid methyl esters, which are mild and non-irritating, easily biodegradable, low foam, strong detergent, and good solubility to grease. It has strong detergency to carbon black smudge and sebum smudge, high cloud point, low foam, strong solubility to wax and oil, gentle to the skin, non-irritating, non-toxic, can significantly improve the mildness of the formula. Can be widely used in the following areas:

Textile printing and dyeing: refining agent, leveling agent, wax remover, oil remover, anti-stain soap lotion agent;

Daily chemical washing: cleaning agent, dispersant, degreasing agent, anti-deposition agent;

Industrial cleaning: metal products, pipes, vehicles, electronic components, ceramics, glass, wood, leather, plastics, rubber;

Coatings: emulsifiers, dispersants;

Pesticides: emulsifiers, dispersants;

Metalworking: cutting fluid base stock or grinding fluid base oil.

**Quality indicators：**

|  |  |  |
| --- | --- | --- |
| item | OXFMEE-P816 | Method |
| appearance（50℃） | Colorless to slightly yellowish liquid | Visual |
| Solids content（%） | 80.0-82.0 | GB/T 11275 |
| Cloudy point (℃) | 79.0-83.0 | GB/T 5559 |
| pH(5%aqueous solution，25℃) | 4.5-6.5 | GB/T 6368 |
| Color Hazen ≤ | 90 | GB/T 9282 |

**Application cases：**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| sample | Detergent force | | foam/mL | | emulsify/min | | Pour point  /℃ |
| Carbon black | sebum | 3min | 5min | 大豆油 | 白油 |
| AEO-9 | 1 | 1 | 250 | 190 | 144 | 71 | 25 |
| OXFMEE-P816 | 1.03 | 1.01 | 200 | 20 | 123 | 66 | 14 |

**Packing specifications：**

Packed in 125kg plastic drum or 1000kg ton drum.

**Storage and transportation conditions：**

This product is non-toxic, flame-retardant, can be handled in accordance with the general chemical transportation regulations, 20-40 ° C storage is the best, should not exceed 50 ° C

**Product shelf life：**

Shelf life of 24 months under specified storage conditions.