**Product description (OXFMEE-P415)**

**Product chemistry name：**

Fatty acid methyl ester and ethylene oxide addition

**Product application：**

OXFMEE-P415 products are a class of nonionic surfactants derived from fatty acid methyl esters, the product is mild and non-irritating, easy to biodegradable, low foam, strong decontamination, good solubility to oils and fats. Good water solubility, narrow gel phase area, 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-P415 | 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℃) | 5.0-7.0 | GB/T 6368 |
| Color Hazen ≤ | 85 | GB/T 9282 |

**Application cases：**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| sample | Detergent force | | | Degreasing rate  /% | Wetting time  /S | emulsify/min | |
| Carbon black | protein | sebum | soybean oil | White oil |
| Japan Lion | 12.95 | 4.49 | 13.63 | 5.47 | 26 | 40’08’’ | 21’00’’ |
| OXFMEE-P415 | 12.38 | 4.61 | 13.47 | 6.51 | 31 | 42’06” | 21’00’’ |

**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.