



Metalworking & Lubricants

PRODUCT INFORMATION SHEET

Rev. 01 / 02-18

MARLOX FK 57

Composition

Fatty alcohol alkoxyate, belongs to non-ionic surfactant.

Specifications

| | |
|-----------------------------|----------------------|
| Appearance at 25°C | Clear to hazy liquid |
| Color | 60 Hazen max |
| Active substance | 99.5% min |
| pH (1% water solution) | 5.0 ~ 7.0 |
| Cloud Point (0.5% in water) | 32.0 ~ 36.0°C |
| Water content | 0.5% max |

Typical Physical Properties

| | |
|------------------------|-----------|
| Av. Molecular weight | 762 g/mol |
| Solidification point | < -20°C |
| Density at 20°C | 1.0 g/ml |
| Kin. viscosity at 50°C | 24 cSt |

Surface Active Properties

| | |
|-------------------------------|-----------|
| HLB (estimated) | 12 |
| Surface tension (1g/L @ 25°C) | 32.1 mN/m |
| cmc | 0.09 g/l |

Properties and Applications

MARLOX FK 57 is a multipurpose low-foaming non-ionic surfactant with a very effective foam suppressing behaviour in formulations; In addition it also has good cleaning, wetting and dispersing abilities. MARLOX FK 57 can be used in powder, paste and liquid products.

MARLOX FK 57 can be used in combination with standard anionic, nonionic or cationic ingredients to solve foaming problems when high mechanical energy cleaning procedures are used, such as:

- metal cleaning;



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- Industrial and institutional cleaning;
- Household cleaning and rinse aids.

Packaging

190kg plastic drum, 950kg IBC drum

Storage and Handling

This product should be stored in airtight, cool, ventilated and dry place, avoiding sun and rain. The storage temperature should not be higher than 40°C. If the product storage temperature is too low, there may be turbidity, stratification and even solidification phenomenon, but it does not affect the performance of the product. Before using the material, it must be heated properly and completely mixed in the barrel or container to ensure that the product is homogeneous.

The surfactant is hygroscopic, after opening the container, it can quickly absorb moisture in the environment, and the air will enter into the container meanwhile, which may lead to the slow oxidation, and then cause deep color or decreased pH value. Therefore, the bucket or container should be kept sealed and stored in a cool and dry place.

In the above storage conditions, the shelf-life is guaranteed for two years from production date in its original and sealed packaging.

Please refer to the Safety Data Sheet (SDS) for detail safety data and disposal instructions.

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