



Technical Data Sheet

ICC-Ethoxylated Products

Trade Name: OAE6

Chemical Name: OLEIC ACID ETHOXYLATE 6

Grade: Chemical

CAS Name: Oleic acid hydroxy poly oxy ethylene, Oleic acid polyethylene Glycol.

Oleic acid Ethoxylates are non-ionic surfactants obtained by adding Ethylene oxide (EO) to Oleic acid. The Oleic acid Ethoxylates designated by the name "OAE" followed by a number indicating the average number of ethylene oxide molecules added.

Application

OAE6 is a typical nonionic surfactant which used in all types of industrial cleaning applications. It can be used as emulsifier, lubricant, dispersant and suspend agent. These properties combined with their detergent and antistatic characteristics indicate its potential in a variety of textile, agricultural, paper, food pharmaceuticals, leather processing, plastics and metal industries.

Storage and Handling

OAE6 should be stored in a dry covered area at a distance from sources of heat or ignition.

The extinguishing agents are carbon dioxide and dry chemical powder.

Recommended materials to store, handling and distribution OAE6 are stainless steel, carbon steel, galvanized steel and carbon steel coated with epoxy or PVC or polyester in drum or tank.

Shelf life: 24 months from the date of manufacture.

TEST	STANDARD TEST METHOD	RESULT
Appearance at 25°C	—	Clear Liquid
Average molecular weight, g/mol	Calculated	546
pH (5% in water)	ASTM D-1172	5-7
Cloud point, °C (10% in 25% BDG)	ASTM D-2024	59-63
Density at 25°C, g/ml	ASTM D-1298	0.98±0.02
Hydroxyl value, mg KOH/g	ASTM E-222	100-108
Saponification No.	ASTM D-5558	100±5
HLB, calculated	Calculated	9.7
Water, percent	ASTM E-203	Max. 0.5
Viscosity at 25°C, cP	Calculated	58±10

Safety

OAE6 is not irritating to the eyes or skin however when handling pure chemical products, we recommend the use of individual protection equipment such as PVC gloves, safety goggles and an apron.

In the event of accidental contact, proceed as follows:

Eyes: wash immediately with plenty of water for at least 15 minutes.

Skin: wash the area affected with plenty of water and remove contaminated clothing.

Ingestion: seek medical care urgently.