



Technical Data Sheet

Product Name: Poly(ethylene glycol) distearate; PEGDS; PEG Fatty Acid Ester

CAS No.: 9005-08-7

Molecular Formula: C₁₉H₄₀O₄

Molecular Weight: 332.5185

Appearance: liquid, paste or solid.

Technical Indicators:

Specification	Appearance(25 °C)	Acid value mgKOH/g	Saponification value mgKOH/g	HLB
EGMS	Lunatia to cream color solid	≤ 5	170~185	2~4
EGDS	Lunatia to cream color solid	≤10	185~200	1.5
DEGMS	Lunatia to cream color solid	≤ 5	160~170	3.5
DEGDS	Lunatia to cream color solid	≤10	184~194	3
PEG400MS	Lunatia to cream color solid	≤ 5	75~95	10.7 ~ 11.7



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PEG400DS	Lunatia to cream color solid	≤ 10	110~130	7.2~ 8.2
PEG6000DS	Lunatia to cream color solid	≤ 8	14~22	18
PEG200ML	Colorless to light yellow liquid	≤ 5	140~155	9.5
PEG200DL	Colorless to light yellow liquid	≤ 10	195~210	8
PEG400ML	Colorless to light yellow liquid	≤ 5	90~110	13
PEG400DL	Colorless to light yellow liquid	≤ 10	130~155	10.5
PEG400MO	Amber liquid	≤ 5	75~95	11~ 12
PEG400DO	Amber liquid	≤ 10	100~130	7~8
PEG600MO	Amber liquid	≤ 5	60~75	13~ 14
PEG600DO	Amber liquid	≤ 10	85~105	10~ 11
PEG4000MO	Yellow solid	≤ 5	10~15	18~ 18.5
PEG6000MO	Yellow solid	≤ 5	5~10	19
PEG-264Oleat e	Yellow liquid	≤ 2	115~125	

Application:



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Specification	Usage
EGMS EGDS	<ol style="list-style-type: none">1. Soluble in isopropanol, toluene, soybean oil, mineral oil, with emulsification, solubilization, softness, antistatic properties.2. It is used as emulsifier, dispersant, solubilizer, lubricant, softener, defoamer, antistatic agent, pearlescent agent and pharmaceutical intermediate in textile, fiber processing, metal processing and cosmetics.
DEGMS DEGDS	<ol style="list-style-type: none">1. It is insoluble in water, ethanol and ether, but can be dispersed in hot water.2, the pharmaceutical industry as solvent, emulsifier, dispersant, penetration enhancers; textile industry as emulsifier, sunscreen agent, pearlescent agent; food industry as emulsifier, perfume, pigment solubilizer, stabilizer, foam regulator.
PEG400MS	<ol style="list-style-type: none">1. It is soluble in various organic solvents and dispersed in water. It has emulsifying, solubilizing, wetting and softening properties.2, the textile industry as emulsifier, softener, lubricants; cosmetics, metal processing industry as cleaning agents, lubricants, brighteners; paper industry, as paper starch coating thickener, stabilizer; water dispersible paper wetting agent, softener; pharmaceutical industry as liquid medicine, emulsion agent emulsifier; can also be used for oil emulsification; paint, printing ink grinding auxiliary.
PEG400DS	<ol style="list-style-type: none">1. Soluble in ethanol, isopropanol, toluene and other organic solvents, dispersed in hot water, with dispersion, emulsification, shading, solubilization, thickening performance.2. In textile industry, it is used as fiber lubricant, softener and antistatic agent; in cosmetics, it is used as thickener, solvent and emulsifier; in metal processing, it is used as lubricant; in paper industry, it is used as porous and absorbent toilet paper; it is also used as resin plasticizer.
PEG200ML	<p>It is dispersed in water and forms turbid liquid with mineral and vegetable oil. As defoamer in waterborne coatings. Vinyl plastic sol can be used as viscosity reducing agent, hair dye cream as viscosity control additive and paper softening additive.</p>



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PEG200DL	Soluble in isopropanol, * *, carbon tetrachloride and other solvents, dispersed in water, used as self emulsifying auxiliary emulsifier and lubricant, mold release agent, viscosity control agent.
PEG400ML	It is dispersed in water and has emulsifying, lubricating and defoaming properties. It can be used as lubricant in latex paint, lubricant, leveling agent and defoamer in fiber processing, pigment grinding dispersant, oil solvent solubilizer, vinyl plastic sol anti adhesion agent, cosmetic and pharmaceutical emulsifying agent.
PEG400DL	It can be used as oil soluble emulsifier, softener, lubricant and antistatic agent in chemical fiber oil agent, coupling agent and lubricant in textile industry, degreasing agent and coolant additive in metal processing, paper release agent, industrial and civil detergent.
PEG400MO	It is soluble in benzene and isopropanol and dispersed in water. It is used as industrial lubricant, industrial degreasing agent, viscosity stabilizer of vinyl plastic sol, textile softener and lubricant. It is used as dry cleaning agent and oil-based cutting fluid balance emulsifier. Biodegradable
PEG400DO	It is soluble in mineral and vegetable oil and dispersed in water. It can be used as w / O emulsifier, solubilizer, kerosene emulsifier and industrial lubricant.
PEG600MO PEG600DO PEG4000MO PEG6000MO	<ol style="list-style-type: none">1. Soluble in water, it has good washing, emulsifying and lubricating properties.2. It is used as O / W emulsifier in cosmetics, leveling agent, dispersant and softener in textile industry, and lubricant in metal processing. It can also be used in water-soluble coatings and acid washing of printed circuit boards.
PEG-264Oleate	<ol style="list-style-type: none">1. It is soluble in oil and organic solvent, and has good smoothing and emulsifying effect;2. Emulsifier widely used in the manufacture of synthetic fibers has the characteristics of low freezing point, good viscosity temperature property, low volatility and good oxygen resistance.

Packaging:200kg iron drum, 50kg plastic barrel, 25kg Kraft paper bag.



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Storage & Transportation:

Keep in Cool, Dry, Ventilated and Lightless Place.

Shelf life:2 years.

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