

EMULSIFIER



VISTA

FOOD GRADE
INDUSTRY GRADE

- ◆ SPAN 80
- ◆ TWEEN 80
- ◆ PEG400MO
- ◆ PEG600DO

www.vistachems.com

www.vistaemulsion.com

admin@vistachems.com

sales@vistaemulsion.com

CONTENTS

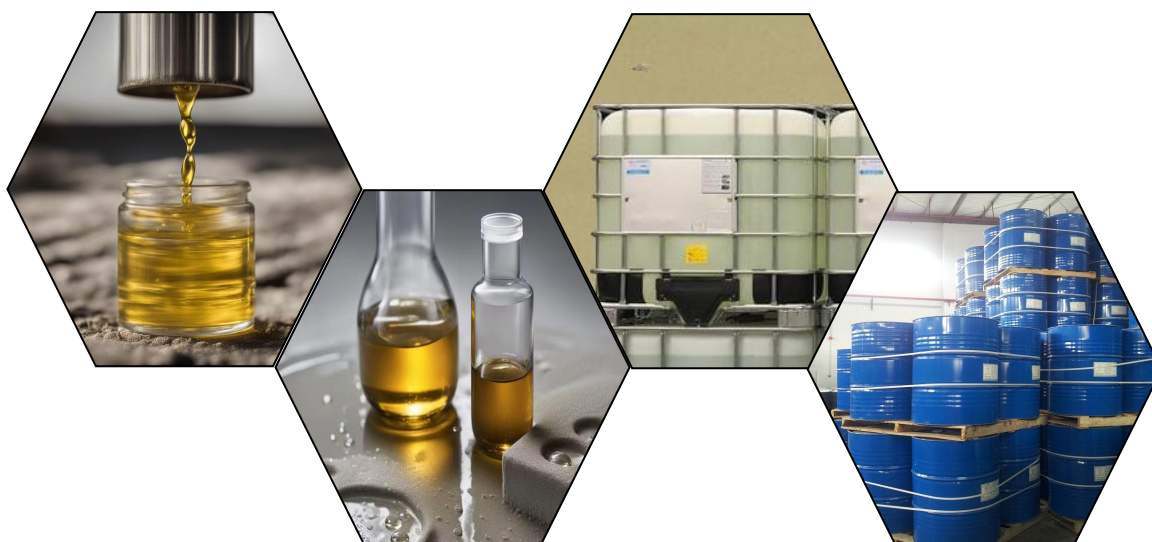


Contents	1
Company Profile	2
T80(Tween 80)	3
SPAN 80(VS-201A) Emulsifier	4
Compound Emulsifier For Explosives	6
Polyethylene glycol monooleate (PEG 400MO)	8
Polyethylene glycol dioleate (PEG 400DO)	9
Polyethylene glycol monooleate (PEG 600MO)	10
Polyethylene glycol dioleate (PEG 600DO)	11
Polyglycerol Monolaurate (PEG 400 ML)	12
Polyethylene Glycol (400) Dilaurate (PEG400 DL)	13
Sorbitan Stearate (SPAN 60)	14

Longyan Vista Chemical Co., Ltd. primarily produces and sells materials such as explosive-grade Span 80, composite emulsifiers, integrated oil phase, foam agents, and hot melt adhesives. The company currently has an annual production capacity of 20,000 tons and offers a range of products, including:

- Dehydrated sorbitan oleate (Span 80)
- Dehydrated sorbitan stearate (Span 60)
- Polyethylene glycol oleate (PEG 400 MO, PEG 400 DO)
- Polyethylene glycol stearate (PEG 600 MO, PEG 600 DO)
- Polyethylene glycol laurate (PEG 400 ML, PEG 400 DL,
PEG 600 ML, PEG 600 DL)
- Pentaerythritol tetraoleate (PETO)
- Trimethylolpropane oleate (TMRTO)

Our products are widely applied in various industries, including food, pharmaceuticals, cosmetics, textiles, metalworking fluids, stainless steel polishing pastes, ceramic processing, paints, coatings, oilfield drilling, release agents, biopesticide additives, and leather auxiliaries.



T80(Tween 80)

Ingredient: Polyoxyethylene (20)Sorbitan Monooleate

English name: Polyoxyethylene (20) Sorbitan Monooleate

CAS:9005-65-6

Purity specification: 98%

Molecular formula: C₆₄H₁₂₄O₂₆

Molecular weight:1309.63

Parameter	Indicator
Appearance	Light yellow to amber oily liquid
Acid value(mgKOH/g)	≤2.0
Hydroxyl value/mgKOH/g	90~107
Saponification value/mgKOH/g	65~80
HLB value	15.0

Note: Some indicators can be adjusted according to customer request.

【Performance and applications】

T80 is soluble in water, methanol, ethanol, isopropanol, and other solvents but insoluble in animal and mineral oils. It has excellent emulsifying, wetting, foaming, and dispersing properties.

SPAN 80(Sorbitan Monooleate)

(VS-201A) Emulsifier

【Characteristics】

Appearance: Amber-colored viscous oily liquid

Relative Density: 1.029

Melting Point: 10-12°C

Flash Point: 210°C

Solubility: Insoluble in water, soluble in hot oil and organic solvents, insoluble in isopropanol, tetrachloroethylene, xylene, and cottonseed oil

Function: High-grade lipophilic emulsifier

Quality Indicators:

Parameter	indicators
Acid	<4.0 mgKOH/g
Saponification number	140~160 mgKOH/g
Hydroxyl	220~260 mgKOH/g
Water content	<1.0 %
HLB value	4.3

【Performance and applications】

1. Emulsifier for water-in-oil (W/O) latex explosives.
2. In pharmaceuticals/cosmetics: W/O emulsifier, stabilizer, plasticizer, lubricant, drying agent. In textiles: softener, antistatic agent, finishing agent.

【Mechanical Applications】

1. Serves as a lubricant and emulsifier in various industries.

2. In food: Emulsifier for beverages, candies, ice cream, bread, pastries, malted milk, margarine, and chocolate. In textiles: Antistatic agent for acrylic fibers; softening and lubricating applications. Also used in food, pesticides, pharmaceuticals, cosmetics, coatings, and plastics as an emulsifier and stabilizer. Acts as an anti-fogging agent for PVC (1.5-1.8%) and EVA (0.7-1%).

3. Enhances nylon and viscose tire cord oil smoothing effects. Emulsifier in mechanical, coating, chemical industries, and petroleum drilling mud. Also used in food, cosmetics, paint, titanium dioxide production, as an insecticide, wetting agent, and emulsifier in pesticides. Serves as a solubilizer in petroleum products and a rust inhibitor, alongside lubricating and softening textiles and leather.

【Packaging】

Available in 25KG or 200KG drums (custom packaging options and tank truck transportation available).

【Storage and Transportation】

Transport: Non-flammable and non-explosive; treated as general non-flammable items.

Storage: Keep in a dry, cool, and well-ventilated area.

Compound Emulsifier For Explosives

VS-201B/C Emulsifier

【Characteristics】

Appearance*: brown viscous oil substance

Relative Density: 1.029

Melting Point: 10-12°C

Flash Point: 210°C

Solubility: Insoluble in water; soluble in hot oil and organic solvents; highly oleophilic.

Quality Indicators:

Parameter	Indicators	
	B type	C type
Acid value,mgKOH/g	<10.0	<3.0
Saponification value,mgKOH/g	155~175	90~110
Hydroxyl value,mgKOH/g	180~230	120~135
Water content, %	<1.0	<1.0

【Usage】

1. W/O emulsion explosive emulsifier.
2. W/O emulsifier, stabilizer, plasticizer, lubricant, desiccant for medicines and cosmetics; also used as a softener and antistatic agent in textiles. Acts as a mechanical lubricant and an effective antifogging agent at low temperatures.

【Applications】

1. Suitable for high temperatures; ideal for PVC (1%–1.5%), polyolefin film (0.5%–0.7%), and EVA film.
2. Functions as a mechanical lubricant and emulsifier in the paint industry.
3. Used in the food industry for beverages, toffee, ice cream, bread, pastries, malted milk, margarine, and chocolate.
4. In textiles, acts as an electrostatic agent and softening oil; used as an emulsifier and stabilizer in food, pesticides, medicines, cosmetics, coatings, and plastics. Anti-fogging agent for PVC, EVA, PE films (dosage 1.5%–1.8% for PVC, 0.7%–1% for EVA).
5. Serves as an oiling agent for nylon and viscose cord, emulsifying machinery, coating, chemical processes, and oil drilling mud. Also used in food and cosmetics production, as a paint dispersant, stabilizer for titanium dioxide, pesticide emulsifier, cosolvent in petroleum, and as anti-rust oil for lubricants and softeners in textiles and leather.

【Packing】

Available in 25 KG or 200 KG drums; custom packaging options available.

【Storage and transportation】

Non-flammable and non-explosive. Transport per general non-flammable goods regulations. Store in a dry, cool, and ventilated area.

Polyethylene glycol monooleate (PEG 400MO)

English name: Polyethylene glycol monooleate

CAS number: 9004-96-0

Physical and chemical properties of polyethylene glycol monooleate:

Parameter	Indicators
Appearance	Pale yellow liquid
Acid value(mgKOH/g)	≤ 5
Saponification value(mgKOH/g)	75~95
Content(%)	$\geq 99\%$
HLB value	11~12
Density (g/cm ³)	0.924
Boiling point	437.5°C at 760 mmHg
Flash point	165°C

Note: Some indicators can be adjusted according to customer request.

【Performance and applications】

Soluble in benzene and isopropanol, dispersed in water. Used as industrial lubricant, degreaser, viscosity stabilizer for vinyl plastic, textile softener, and lubricant. Also used in dry cleaning agents and oil-based cutting fluid emulsifiers. Functions as an antistatic agent and dispersant for plastics. Biodegradable.

Polyethylene glycol dioleate (PEG 400DO)

English name: Polyethylene glycol dioleate

CAS number: 9005-07-6

Physical and chemical properties of polyethylene glycol monooleate:

Parameter	Indicators
Appearance	Pale yellow liquid
Acid value(mgKOH/g)	≤10
Saponification value(mgKOH/g)	100~130
Content(%)	≥99%
HLB value	7~8
Density (g/cm ³)	0.924
Boiling point(lit.)	>260°C
Flash point	113°C

Note: Some indicators can be adjusted according to customer request.

【Performance and applications】

Soluble in benzene, isopropanol, and oils; dispersible in water. Functions as W/O emulsifier, solubilizer, kerosene emulsifier, and industrial lubricant. Used as industrial lubricant, degreaser, viscosity stabilizer for vinyl plastic, textile softener, lubricant, and in dry cleaning agents and oil-based cutting fluid emulsifiers. Acts as antistatic agent and dispersant for plastics. Biodegradable.

Polyethylene glycol monooleate (PEG 600MO)

English name: Polyethylene glycol monooleate

CAS number: 9004-96-0

Physical and chemical properties of polyethylene glycol monooleate:

Parameter	Indicators
Appearance	Pale yellow liquid
Acid value(mgKOH/g)	≤ 5
Saponification value(mgKOH/g)	60~75
Content(%)	$\geq 99\%$
HLB value	13~14
Type	nonionic

Note: Some indicators can be adjusted according to customer request.

【Performance and applications】

1. Soluble in water, exhibiting excellent detergency, emulsifying, and lubricating properties.
2. Used as O/W emulsifier in cosmetics, leveling agent, dispersant, softener in textiles, and lubricant in metal processing.

Polyethylene glycol dioleate (PEG 600DO)

English name: Polyethylene glycol dioleate

CAS number: 9005-07-6

Physical and chemical properties of polyethylene glycol monooleate:

Parameter	Indicators
Appearance	Pale yellow liquid
Acid value(mgKOH/g)	≤ 10
Saponification value(mgKOH/g)	85~105
Content(%)	$\geq 99\%$
HLB value	10~11
Type	nonionic

Note: Some indicators can be adjusted according to customer request.

【Performance and applications】

1. Soluble in water, providing excellent detergency, emulsifying, and lubricating properties.
2. Used as O/W emulsifier in cosmetics, leveling agent, dispersant, softener in textiles, and lubricant in metal processing.
3. Acts as an emulsifier for insecticides in pesticides and is also suitable for water-soluble coatings and acid baths for printed circuit boards.

Polyglycerol Monolaurate (PEG 400 ML)

English Name: Polyethylene glycol monolaurate (PEG400ML)

CAS Number: 9004-81-3

Physical and chemical properties of polyethylene glycol monooleate:

Parameter	Indicators
Color	Colorless to light yellow liquid
Acid value(mgKOH/g)	≤ 5
Saponification value(mgKOH/g)	90 ~ 110
Content(%)	>99%
Melting Point	>260° C (lit.)
Density	0.985 g/mL at 25
Flash Point	>110° C
HLB value	13
Type	nonionic

Note: Some indicators can be adjusted according to customer request.

【Performance and applications】

- 1.Emulsifier, has good wetting and dispersing properties, used in creams, lotions, and other cosmetics, and can act as a dispersant for various types of particles.
- 2.Used in food and pharmaceutical formulations, also as a stabilizer for emulsion systems and is effective in the addition of ingredients.

Polyethylene Glycol (400) Dilaurate (PEG400 DL)

CAS Number:** 9005-02-1

【Physical and Chemical Properties】 :

Parameter	Indicators
Color	Colorless to light yellow liquid
Acid value(mgKOH/g)	≤ 10
Saponification value(mgKOH/g)	130~155
Content(%)	$\geq 99\%$
HLB value	10.5
Type	nonionic

Note: Some specifications can be adjusted according to customer needs.

【Performance and Applications】 :

Dispersible in water, it exhibits good stability, anti-static properties, softness, smoothness; can be used in synthetic fiber oils as a wetting and emulsifying agent, lubricants, and antibacterial agents. It can also serve as a thickening agent in solutions and oil processing, and can be added to cooling fluids, as well as serve as a degreasing agent for fibers and an antifoaming agent in industrial and household detergents. In cosmetics, it acts as a moisturizer; in the food industry, it functions as a thickening agent, emulsifier, defoamer, lubricant, and antibacterial agent; it also enhances the effectiveness of coatings and final products.

Sorbitan Stearate (SPAN 60)

CAS Number: 1338-41-6

【Physical and Chemical Properties】 :

Parameter	Indicators
Appearance (25°C)	Slightly yellow waxy solid
Saponification value(mgKOH/g)	240~270
Ester Value (mg KOH/g)	135~155
Acid Value (mg KOH/g)	≤ 8
Moisture (%)	≤ 1.5
HLB Value	4.7
Flash Point (°C)	52~54
Type	nonionic

Note: Some specifications can be adjusted according to customer needs.

【Performance and Applications】 :

1. This product is insoluble in water and easily disperses in hot water, making it a good w/o emulsifier with strong emulsifying, dispersing, and lubricating properties. It also serves as a good stabilizer and defoaming agent.
2. In the food industry, it is used in dairy products, beverages, ice cream, bread, cakes, maltose, margarine, chocolate, etc.; in the textile industry, it is used as a spinning aid; in the food, pharmaceutical, coating, and plastic industries, it acts as an additive and stabilizer; it is used as a lubricant in PVC, EVA, PE, etc., with usage levels of 1.5-1.8% in PVC and 0.7-1% in EVA.

Longyan Vista Chemical Co., Ltd.

Tel: +86-597-2626279

Whatsapp:+16196093350

admin@vistachems.com

www.vistachems.com