



ROYAL CROWN ADDITIVES

宝冠助剂



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SHANDONG ROYAL CROWN

宝冠新材料科技(山东)有限公司

宝冠新材料科技(山东)有限公司成立于2021年,坐落于礼仪之邦山东省德州市(禹城)国家高新技术产业开发区。是一家集研发、生产和销售一体化的高科技民营企业。产品涵盖食品添加剂、纺织助剂、石油化工、化学新材料等众多应用领域,年产能20万吨。

宝冠新材一直秉承绿色健康、低碳环保、科技创新的发展理念。荟萃业界精英,引进国外先进的信息技术和高效的企业管理模式。数字智能化生产基地、全自动化的生产线、科学的管理机制奠定了公司发展的坚实基础。

宝冠始终致力于创新发展、绿色发展、开放发展、共享发展的长远战略,逐步打造成多元化、现代化、国际化具有新质生产力的质量效益型企业集团。

Royal Crown New Materials Technology (Shandong) Co., Ltd. was established in 2021 and is located in Dezhou City (Yucheng) National High-tech Industrial Development Zone, Shandong Province, the State of comity in China. It is a high-tech private enterprise integrating R&D, production and sales. The products cover many application fields such as food additives, textile auxiliaries, petrochemicals, new chemical materials, etc., with an annual production capacity of 200,000 tons.

Royal Crown New Materials has been adhering to the development concept of green health, low-carbon environmental protection, and scientific and technological innovation, gathers industry elites, introduces foreign advanced information technology and efficient enterprise management mode. The intelligent and digital production base, fully automated production line and scientific management mechanism have laid a solid foundation for the company's development.

Royal Crown has always been committed to the long-term strategy of innovative development, green development, open development and shared development, and gradually built into a diversified, modern, international high-quality and efficient enterprise group with new quality productivity.

为实现共同愿景,公司坚持:

To achieve a common vision, the company adheres to:

1、企业价值理念:

宝冠是全体员工的利益共同体、事业共同体和命运共同体!做低碳、绿色、可持续发展的数字化、可追溯性的现代化工厂。

1. Enterprise Value Concept:

Royal Crown is a community of interests, cause and destiny for all employees, and a modern factory with low-carbon, green and sustainable development of digitalization and traceability.

2、经营理念:

顺势而变、诚信守诺、科技领先、勇于超越。

2. Business Philosophy:

Change with the trend, integrity and commitment, leading technology, and the courage to surpass.

3、领导理念:

明确战略,展示愿景;理顺关系,保护热情;培育文化,激发活力。

3. Leadership Philosophy:

Clarify strategy, show vision, straighten out relationships, protect enthusiasm, cultivate culture, and stimulate vitality.

4、管理理念:

激励积极努力、规范业务流程、制约违规行为、促进协作共生。

4. Management Philosophy:

Encourage active efforts, standardize business processes, restrict violations, and promote collaboration and symbiosis.

5、服务理念:

以爱为导向,以客户需求为中心。

5. Service Concept:

Love-oriented, customer demand as the center.

6、领域理念:

生产制造、委托加工,做好具有针对性、专业性以服务为业态的数字化现代工厂。

6. Field Concept:

Manufacturing, commissioned processing, and doing a good job in a targeted, professional and service-oriented digital modern factory.

7、为人理念:

坚定信念,始终如一,不忘初心,自尊自律,顾全大局,奉献服务,为国家新质生产力事业贡献民营力量。

7. Philosophy of People:

Keep firm faith with consistency, never forget the original intention, self-esteem and self-discipline, consider the overall situation, dedicate service, and contribute to the cause of new quality productivity for the country.

Monoglyceride

单甘酯

宝冠新材料科技(山东)有限公司

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乳化剂系列

ADDITIVES

化学名称

单硬脂酸甘油酯

分子式

$C_{21}H_{42}O_4$

相对分子量

358.56

性状

乳白色片状固体,是一种多元醇型非离子型表面活性剂,具有优异的表面活性,是食品和化妆品中应用最为广泛的一种乳化剂。

质量指标

指标名称	质量指标
外观	乳白色片状固体
碘值 (g 12/100g)	≤ 2.0
酸值 (mg KOH/g)	≤ 2.0
凝固点 °C	55~60
皂化值 (mg KOH/g)	160~175

主要用途

本品是食物的乳化剂和添加剂;化妆品及医药膏剂中用作乳化剂,使膏体细腻润滑;用于工业油剂的乳化剂和纺织品的润滑剂;在塑料薄膜中用作流滴剂和防雾剂;在塑料加工中作润滑剂和抗静电剂,在其他方面可作为消泡剂、分散剂、增稠剂、润湿剂等。



包装

25Kg复合纸袋包装。

贮运

本品为非易燃、易爆危险品,按一般物品运输。保存在干燥,阴凉,通风处。



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MONOGLYCERIDE

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

www.ibaoguan.com.cn

ADDITIVES

Chemical name

Glycerol monostearate

Molecular formula

$C_{21}H_{42}O_4$

Relative molecular weight

358.56

Character

It is milk white flake solid, a polyol type non-ionic surfactant with excellent surface activity, it is the most widely used emulsifier in food and cosmetics.

Quality Index

Indicator Name	quality index
Appearance	Milk white sheet-like solid
Iodine value (g 12/100g)	≤ 2.0
Acid value (mg KOH/g)	≤ 2.0
Freezing point $^{\circ}C$	55~60
Saponification value (mg KOH/g)	160~175

Purpose

This product is an emulsifier and additive for food; Used as an emulsifier in cosmetics and medical ointments to make the paste delicate and smooth; Emulsifiers for industrial oils and lubricants for textiles; Used as a drip and anti fog agent in plastic films; As a lubricant and anti-static agent in plastic processing, it can also be used as a defoamer, dispersant, thickener, wetting agent, etc. in other aspects.



Packing

25kg composite paper bag packaging.

Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as a general item. Store in a dry, cool, and ventilated place.



BAO GUAN

TWEEN-20

吐温20

宝冠新材料科技(山东)有限公司

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乳化剂系列

ADDITIVES

化学名称	分子式	相对分子量
聚氧乙烯(20)山梨醇酐单月桂酸酯	$C_{58}H_{114}O_{26}$	1226.48

性状

常温下为淡黄色至黄色粘稠液体。略带苦味,溶于水、乙醇、醋酸乙酯及甲苯,不溶于矿物油及植物油。

性能

具有乳化、润湿、起泡等性能,属O/W型乳化剂,HLB值16.7。

技术指标

项目	指标
酸值, (mgKOH/g) ≤	2.0
皂化值, (mgKOH/g)	40~50
羟值, (mgKOH/g)	96-108
水分, (w%) ≤	3.0
灼烧残渣, (w%) ≤	0.25
铅(Pb), (mg/kg) ≤	2
氧乙基(以 C_2H_4O 计), (w%)	70.0-74.0

用途

在食品和化妆品中用作增溶剂,具有良好的清洁、保湿作用,同时还可提高细腻感,在各种O/W乳状液中作乳化剂。在纺织业作为抗静电剂和润滑剂。



包装

50kg、200kg塑料包装桶。

贮运

本品非易燃易爆危险品,按一般物品运输。放在阴凉、干燥、通风处。



BAO GUAN



TWEEN-20

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

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EMULSIFIER SERIES

Chemical name

Polyoxyethylene (20) Sorbitan Monolaurate

Molecular formula

$C_{58}H_{114}O_{26}$

Relative molecular weight

1226.48

Character

It is a light yellow to yellow viscous liquid at room temperature. Slightly bitter, soluble in water, ethanol, ethyl acetate, and toluene, insoluble in mineral oil and vegetable oil.

Performance

Its properties include emulsification, wetting, and foaming, and is an O/W type emulsifier with an HLB value of 16.7.

Technical indicators

Project	Index
Acid value, (mgKOH/g) \leq	2.0
Saponification value, (mgKOH/g)	40~50
Hydroxyl value, (mgKOH/g)	96-108
Moisture, (w%) \leq	3.0
Burning residue, (w%) \leq	0.25
Lead (Pb), (mg/kg) \leq	2
Oxygen vinyl group (calculated as C_2H_4O), (w%)	70.0-74.0

Purpose

Used as a solubilizer in food and cosmetics, it has good cleaning and moisturizing effects, and can also improve delicacy. It is used as an emulsifier in various O/W emulsions. As an anti-static agent and lubricant in the textile industry.



Packing

50kg, 200kg plastic packaging drums.

Storage and transportation

This product is not a flammable or explosive hazardous material and should be transported as a general item. Place in a cool, dry, and ventilated place.



BAO GUAN



TWEEN-40

吐温40

宝冠新材料科技(山东)有限公司

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乳化剂系列

ADDITIVES

化学名称	分子式	相对分子量
聚氧乙烯(20)山梨醇酐单棕榈酸酯	$C_{62}H_{122}O_{26}$	1284.6

性状

常温下为黄色至橙色粘稠液体或膏状物。略带苦味,溶于水、乙醇、醋酸乙酯及甲苯,不溶于矿物油及植物油。

性能

具有乳化、润湿、起泡等性能,属O/W型乳化剂,HLB值15.6。

技术指标

项目	指标
酸值, (mgKOH/g) ≤	2.0
皂化值, (mgKOH/g)	41~52
羟值, (mgKOH/g)	90~107
水分, (w%) ≤	3.0
灼烧残渣, (w%) ≤	0.25
铅(Pb), (mg/kg) ≤	2
氧乙烯基(以 C_2H_4O 计), (w%) ≤	66.0~70.5

用途

用作油/水型乳化剂,也可用作增溶剂、稳定剂、扩散剂、抗静电剂、纤维润滑剂,有润湿、起泡、扩散性能。此类表面活性剂无毒,可用于食品、化妆品乳化剂,也常用作合成纤维油剂的乳化剂、柔软剂和润滑剂。



包装

50kg、200kg塑料包装桶。

贮运

本品非易燃易爆危险品,按一般物品运输。放在阴凉、干燥、通风处。



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TWEEN-40

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

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EMULSIFIER SERIES

Chemical name

Polyoxyethylene (20) Sorbitan Monopalmitate

Molecular formula

$C_{62}H_{122}O_{26}$

Relative molecular weight

1284.6

Character

At room temperature, it is a yellow to orange viscous liquid or paste. Slightly bitter, soluble in water, ethanol, ethyl acetate, and toluene, insoluble in mineral oil and vegetable oil.

Performance

It's properties include emulsification, wetting, and foaming, and is an O/W type emulsifier with an HLB value of 15.6.

Technical indicators

Project	Index
Acid value, (mgKQH/g) \leq	2.0
Saponification value, (mgKOH/g)	41-52
Hydroxyl value, (mgKOH/g)	90-107
Moisture, (w%) \leq	3.0
Burning residue, (w%) \leq	0.25
Lead (Pb), (mg/kg) \leq	2
Oxygen vinyl group (calculated as C_2H_4O), (w%) \leq	66.0-70.5

Purpose

Used as an oil/water emulsifier, it can also be used as a solubilizer, stabilizer, dispersant, antistatic agent, and fiber lubricant, with wetting, foaming, and diffusion properties. This type of surfactant is non-toxic and can be used as an emulsifier in food and cosmetics. It is also commonly used as an emulsifier, softener, and lubricant for synthetic oil agents.



Packing

50kg, 200kg plastic packaging drums.

Storage and transportation

This product is not a flammable or explosive hazardous material and should be transported as a general item. Place in a cool, dry, and ventilated place.



BAO GUAN

TWEEN-60

吐温60

宝冠新材料科技(山东)有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

化学名称	分子式	相对分子量
聚氧乙烯(20)山梨醇酐单硬脂酸酯	$C_{64}H_{126}O_{26}$	1311.65

性状

常温下为淡黄色至琥珀色油状液体或膏体。略带苦味,溶于水、乙醇、醋酸乙酯及甲苯,不溶于矿物油及植物油。

性能

具有乳化、润湿、起泡等性能,属O/W型乳化剂,HLB值14.9。

技术指标

项目	指标
酸值, (mgKOH/g) ≤	2.0
皂化值, (mgKOH/g)	45~55
羟值, (mgKOH/g)	81~96
水分, (w%) ≤	3.0
灼烧残渣, (w%) ≤	0.25
砷(As), (mg/kg) ≤	3
铅(Pb), (mg/kg) ≤	2
氧乙烷基(以 C_2H_4O 计), (w%)	65.0-69.5

用途

吐温60可以用作药物的溶剂和胶体稳定剂,用于制备注射剂、口服药物和外用药物。吐温60能够增强药物的溶解度,提高药物的生物利用度,使药物更容易被人体吸收和利用。还能作为眼药水的稳定剂,保持药物的有效性和稳定性。同时,在化妆品领域中吐温60也被广泛使用,它可以作为乳化剂、分散剂和稳定剂,用于制备乳液、面霜、洗发水等,它能够使乳液和面霜更易于涂抹和吸收,使洗发水能够更好地清洁头发,还可以作为防晒霜的稳定剂,提高防晒霜的稳定性和使用寿命。



包装

50kg、200kg塑料包装桶。

贮运

本品非易燃易爆危险品,按一般物品运输。放在阴凉、干燥、通风处。



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TWEEN-60

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

www.ibaoguan.com.cn

EMULSIFIER SERIES

Chemical name

Polyoxyethylene (20) sorbitol anhydride monostearate

Molecular formula

$C_{64}H_{126}O_{26}$

Relative molecular weight

1311.65

Character

At room temperature, it is a light yellow to amber oily liquid or paste. Slightly bitter, soluble in water, ethanol, ethyl acetate, and toluene, insoluble in mineral oil and vegetable oil.

Performance

It's properties include emulsification, wetting, and foaming, and is an O/W type emulsifier with an HLB value of 14.9.

Technical indicators

Project	Index
Acid value, (mgKQH/g) \leq	2.0
Saponification value, (mgKOH/g)	45~55
Hydroxyl value, (mgKOH/g)	81-96
Moisture, (w%) \leq	3.0
Burning residue, (w%) \leq	0.25
Arsenic (As), (mg/kg) \leq	3
Lead (Pb), (mg/kg) \leq	2
Oxygen vinyl group (calculated as C_2H_4O), (w%)	65.0-69.5

Purpose

Tween 60 can be used as a solvent and colloid stabilizer for drugs, for the preparation of injections, oral medications, and topical medications. Tween 60 can enhance the solubility of drugs, improve their bioavailability, and make them more easily absorbed and utilized by the human body. It can also serve as a stabilizer for eye drops, maintaining the effectiveness and stability of the medication. At the same time, Tween 60 is also widely used in the cosmetics field. It can be used as an emulsifier, dispersant and stabilizer to prepare lotion, face cream, shampoo, etc. It can make lotion and face cream easier to apply and absorb, so that shampoo can better clean hair, and can also be used as a stabilizer of sunscreen to improve the stability and service life of sunscreen.



Packing

50kg, 200kg plastic packaging drums.

Storage and transportation

This product is not a flammable or explosive hazardous material and should be transported as a general item. Place in a cool, dry, and ventilated place.



BAO GUAN



TWEEN-80

吐温80

宝冠新材料科技(山东)有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

化学名称	分子式	相对分子量
聚氧乙烯(20)山梨醇酐单油酸酯	$C_{64}H_{124}O_{26}$	1309.63

性状

常温下为淡黄色至琥珀色油状液体。略带苦味,溶于水、乙醇、醋酸乙酯及甲苯,不溶于矿物油及植物油。

性能

具有乳化、润湿、起泡等性能,属O/W型乳化剂,HLB值15.0。

技术指标

项目	指标
酸值, (mgKOH/g) ≤	2.0
皂化值, (mgKOH/g)	45~55
羟值, (mgKOH/g)	65~80
水分, (w%) ≤	3.0
灼烧残渣, (w%) ≤	0.25
砷(As), (mg/kg) ≤	3
铅(Pb), (mg/kg) ≤	2
氧乙基基(以 C_2H_4O 计), (w%) ≤	65.0-69.5

用途

吐温80可用作湿润剂、乳化剂、润滑剂、扩散剂等,另外也可用作涤纶和粘胶帘子线油剂的组分,也用于一些眼药水。在食品工业中可以防止飞溅、减缓老化、改善口感,常用作冰激凌乳化剂。生产聚氨酯泡沫塑料的过程中也用作乳化剂。在实验室中,可用作气相色谱固定液,用于分离醇、酮、酯、烃类化合物及脂肪酸。

吐温80是非离子型表面活性剂,对电解质有显著的抵抗力,具有很强的亲水性,是一类优良的O/W型乳化剂,高浓度的电解质和pH值的改变对其乳化能力影响力很小。其对植物油、矿物油、动物油脂等等都有良好的乳化作用。

包装

50kg、200kg塑料包装桶。

贮运

本品非易燃易爆危险品,按一般物品运输。放在阴凉、干燥、通风处。



BAO GUAN

TWEEN-80

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

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EMULSIFIER SERIES

Chemical name

Polyoxyethylene (20) sorbitol anhydride monooleate

Molecular formula

$C_{64}H_{124}O_{26}$

Relative molecular weight

1309.63

Character

It is a light yellow to amber oily liquid at room temperature. Slightly bitter, soluble in water, ethanol, ethyl acetate, and toluene, insoluble in mineral oil and vegetable oil.

Performance

It's properties include emulsification, wetting, and foaming, and is an O/W type emulsifier with an HLB value of 15.0.

Technical indicators

Project	Index
Acid value, (mgKQH/g) ≤	2.0
Saponification value, (mgKOH/g)	45~55
Hydroxyl value, (mgKOH/g)	65-80
Moisture, (w%) ≤	3.0
Burning residue, (w%) ≤	0.25
Arsenic (As), (mg/kg) ≤	3
Lead (Pb), (mg/kg) ≤	2
Oxygen vinyl group (calculated as C_2H_4O), (w%)	65.0-69.5

Purpose

Tween 80 can be used as a wetting agent, emulsifier, lubricant, dispersant, etc. It can also be used as a component of cotton and viscose cord oiling agents, and is also used in some eye drops. In the food industry, it can prevent splashing, slow down aging, and improve taste, and is commonly used as an emulsifier for ice cream. It is also used as an emulsifier in the production of polyurethane foam. In the laboratory, it can be used as a gas chromatography stationary liquid for separating alcohols, ketones, esters, hydrocarbon compounds, and fatty acids.

Tween 80 is a non-ionic surfactant with significant resistance to electrolytes and strong hydrophilicity. It is an excellent O/W emulsifier, and high concentrations of electrolytes and changes in pH have little effect on its emulsifying ability. It has good emulsifying effects on vegetable oil, mineral oil, animal fats, and so on.

Packing

50kg, 200kg plastic packaging drums.

Storage and transportation

This product is not a flammable or explosive hazardous material and should be transported as a general item. Place in a cool, dry, and ventilated place.



BAO GUAN

S-20

Sorbitan Monolaurate

司盘20

宝冠新材料科技(山东)有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

化学名称

山梨醇酐单月桂酸酯

分子式

$C_{18}H_{36}O_6$

相对分子量

344.5

性状

浅黄色至琥珀色粘稠液体,溶于油及有机溶剂,分散于水中呈半乳状液体。

性能

具有乳化、分散、增溶、抗静电的性能。

主要用途

在医药、化妆品生产中作W/O型乳化剂、稳定剂、增塑剂、润滑剂、干燥剂;纺织工业中作柔软剂、抗静电剂、整理剂;作为添加型防雾剂,具有良好的初期及低温防雾滴性,适用于PVC薄膜(1~1.5%)、聚烯烃薄膜(0.5~0.7%)、EVA薄膜。用作机械润滑剂,石油和涂料工业乳化剂。



包装

50KG、200KG包装桶。

贮运

本品为非易燃、易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。



BAO GUAN



S-20

Sorbitan Monolaurate

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

www.ibaoguan.com.cn

EMULSIFIER SERIES

Chemical name

Sorbitan monolaurate

Molecular formula

$C_{18}H_{36}O_6$

Relative molecular weight

344.5

Character

Light yellow to amber viscous liquid, soluble in oil and organic solvents, dispersed in water as a semi emulsion.

Performance

Its properties include emulsifying, dispersing, solubilizing, and anti-static.

Purpose

Used as W/O emulsifier, stabilizer, plasticizer, lubricant, and desiccant in the production of medicine and cosmetics; Used as a softener, antistatic agent, and finishing agent in the textile industry; As an additive anti fog agent, it has good initial and low-temperature anti fog properties and is suitable for PVC films (1-1.5%), polyolefin films (0.5-0.7%), and EVA films. Used as a mechanical lubricant and emulsifier in the petroleum and coating industries.

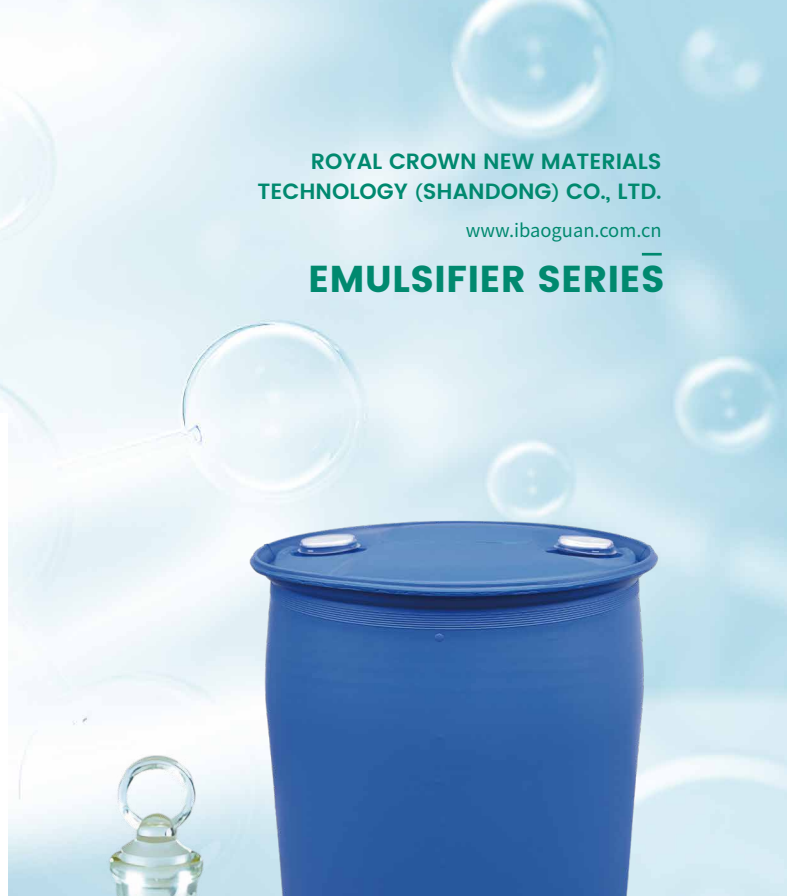


Packing

50KG and 200KG packaging drums.

Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as a general item. Store in a dry, cool, and ventilated place.



BAO GUAN



S-40

Sorbitan Monopalmitate

司盘40

宝冠新材料科技(山东)有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

化学名称

山梨醇酐单棕榈酸酯

分子式

$C_{22}H_{42}O_6$

相对分子量

406.6

性状

淡黄色蜡状固体,溶于油及有机溶剂,热水中呈分散状。

性能

具有乳化、分散、增稠、润湿、抗静电等性能。

主要用途

食品、化妆品业中作乳化剂、分散剂;乳液聚合中作乳化稳定剂;印刷油墨中作分散剂;亦可用作纺织防水涂料添加剂、油品乳化分散剂;广泛用于聚合物防雾滴剂,添加量 PVC 农膜 1~1.7%, EVA 农膜 0.5~0.7%。



包装

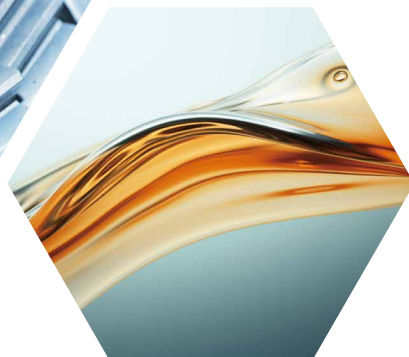
25KG包装袋。

贮运

本品为非易燃、易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。



BAO
GUAN



S-40

Sorbitan Monopalmitate

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

www.ibaoguan.com.cn

EMULSIFIER SERIES

Chemical name

Sorbitan monopalmitate

Molecular formula

$C_{22}H_{42}O_6$

Relative molecular weight

406.6

Character

Light yellow waxy solid, soluble in oil and organic solvents, dispersed in hot water.

Performance

Its properties include emulsification, dispersion, thickening, wetting and anti-static, etc.

Purpose

Used as emulsifiers and dispersants in the food and cosmetics industry; Used as emulsion stabilizer in lotion polymerization; Used as a dispersant in printing ink; It can also be used as an additive for textile waterproof coatings and an emulsion dispersant for oil products; Widely used as a polymer anti fog agent, with an addition of 1-1.7% for PVC agricultural film and 0.5-0.7% for EVA agricultural film.



Packing

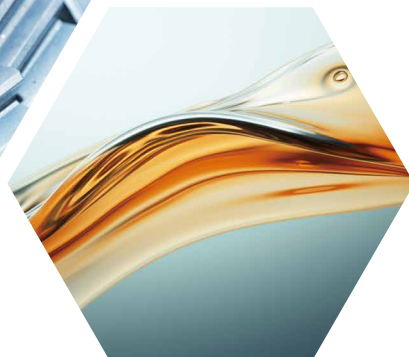
25KG packaging bag.

Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as a general item. Store in a dry, cool, and ventilated place.



BAO
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S-60

Sorbitan Monostearate

司盘60

宝冠新材料科技(山东)有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

化学名称

山梨醇酐单硬脂酸酯

分子式

$C_{24}H_{46}O_6$

相对分子量

430.6

性状

淡黄色蜡状固体,本品不溶于水,热水中呈分散状,是良好的w/o型乳化剂,具有很强的乳化、分散、润滑性能,也是良好的稳定剂和消泡剂。

性能

具有乳化、分散、增稠、润湿、抗静电等性能。

主要用途

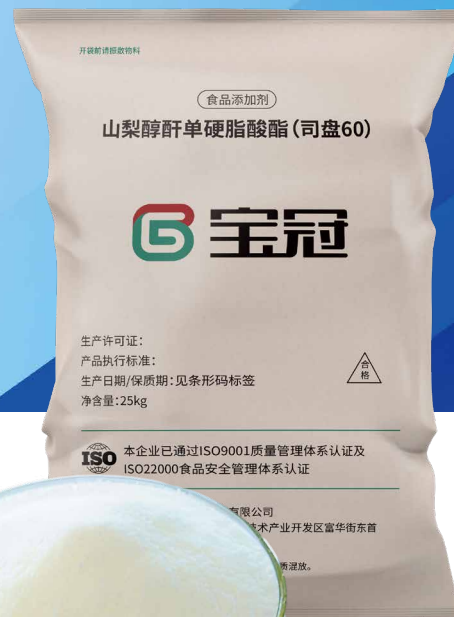
在食品工业中用作乳化剂,用于饮料、奶糖、冰激凌、面包、糕点、麦乳精、人造奶油、巧克力等生产中;在纺织工业中用作腈纶的抗静电剂、柔软剂的组分;在食品、农药、医药、化妆品、涂料、塑料工业中用作乳化剂、稳定剂;作为PVC、EVA、PE等薄膜的防雾滴剂使用,在PVC薄膜中用量为1.5~1.8%,在EVA中用量为0.7~1%。

包装

25KG三合一纸袋包装。

贮运

本品为非易燃、易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。



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GUAN

S-60

Sorbitan Monostearate

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

www.ibaoguan.com.cn

EMULSIFIER SERIES

Chemical name

Sorbitan monostearate

Molecular formula

$C_{24}H_{46}O_6$

Relative molecular weight

430.6

Character

A light yellow waxy solid, insoluble in water and dispersed in hot water. It is a good w/o emulsifier with strong emulsifying, dispersing, and lubricating properties, as well as a good stabilizer and defoamer.

Performance

Its properties include emulsification, dispersion, thickening, wetting and anti-static, etc.

Purpose

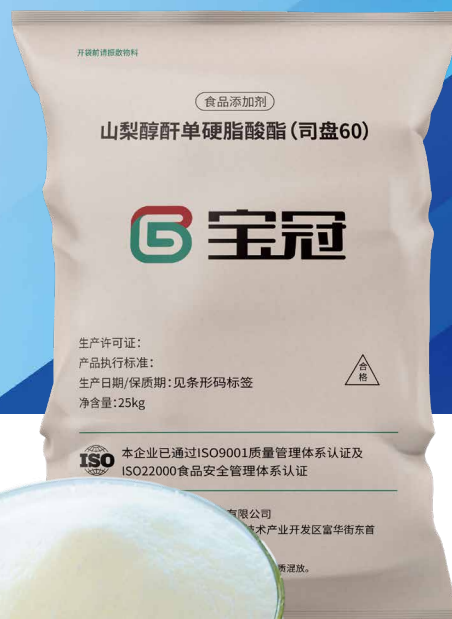
Used as an emulsifier in the food industry, in the production of beverages, lactose, ice cream, bread, pastries, malt extract, margarine, chocolate, etc; Used as a component of anti-static and softening agents for acrylic fibers in the textile industry; Used as an emulsifier and stabilizer in the food, pesticide, pharmaceutical, cosmetics, coatings, and plastic industries; As an anti fog agent for PVC, EVA, PE and other films, the dosage is 1.5-1.8% in PVC film and 0.7-1% in EVA.

Packing

25KG three in one paper bag packaging.

Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as a general item. Store in a dry, cool, and ventilated place.



BAO GUAN



S-65

Sorbitan Tristearate

司盘65

宝冠新材料科技(山东)有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

化学名称

山梨醇酐三硬脂酸酯

分子式

$C_{60}H_{114}O_8$

相对分子量

963.51

性状

黄色至白色常温下为蜡状固体,可溶解在极性有机溶剂,不溶于水。

性能

具有乳化、增稠、分散等性能。

主要用途

用作饮料混浊剂,用于奶油、氢化植物油、速溶咖啡、干酵母等。

包装

25KG三合一纸袋包装。

贮运

本品为非易燃、易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。



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S-65

Sorbitan Tristearate

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

www.ibaoguan.com.cn

EMULSIFIER SERIES

Chemical name

Sorbitan tristearate

Molecular formula

$C_{60}H_{114}O_8$

Relative molecular weight

963.51

Character

Yellow to white is a waxy solid at room temperature, soluble in polar organic solvents and insoluble in water.

Performance

It's properties including emulsification, thickening and dispersion, etc.

Purpose

Used as a beverage clouding agent, for cream, hydrogenated vegetable oil, instant coffee, dry yeast, etc.

Packing

25KG three in one paper bag packaging.

Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as a general item. Store in a dry, cool, and ventilated place.



BAO GUAN



S-80

Sorbitan Monooleate

司盘80

宝冠新材料科技(山东)有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

化学名称

山梨醇酐单油酸酯

分子式

$C_{24}H_{44}O_6$

相对分子量

428.6

性状

琥珀色至棕色粘稠油状液体。难溶于水，溶于热油及有机溶剂，是高级亲油性珠光剂。

性能

具有乳化、分散、增溶、润湿、抗静电、增塑、稳定、防锈等性能。

主要用途

用于 W/O 型乳化炸药，锦纶和粘胶帘子线油剂，对纤维具有良好的平滑作用。用于机械、涂料、化工、炸药的乳化。在石油钻井加重泥浆中作乳化剂；食品和化妆品生产中作乳化剂；油漆、涂料工业中作分散剂；钛白粉生产中作稳定剂；农药生产中作杀虫剂、润湿剂、乳化剂；石油制品中作助溶剂；亦可作防锈油的防锈剂。用于纺织和皮革的润滑剂和柔软剂。作为薄膜防雾滴剂，具有良好初期和低温防雾滴性，在 PVC 中用量 1-1.5%，聚烯烃中的用量为 0.5-0.7%。

包装

50KG、200KG桶包装。

贮运

本品为非易燃、易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。



BAO GUAN



S-80

Sorbitan Monooleate

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

www.ibaoguan.com.cn

EMULSIFIER SERIES

Chemical name

Sorbitan monooleate

Molecular formula

$C_{24}H_{44}O_6$

Relative molecular weight

428.6

Character

Amber to brown viscous oily liquid. It is insoluble in water, soluble in hot oil and organic solvents, and is a high-grade oleophilic pearlescent.

Performance

Its properties include emulsification, dispersion, solubilization, wetting, anti-static, plasticization, stability, rust prevention, etc.

Purpose

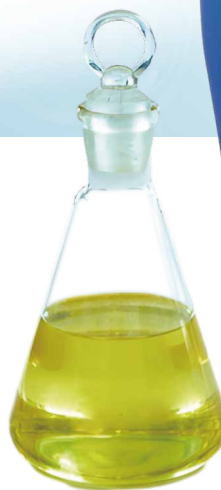
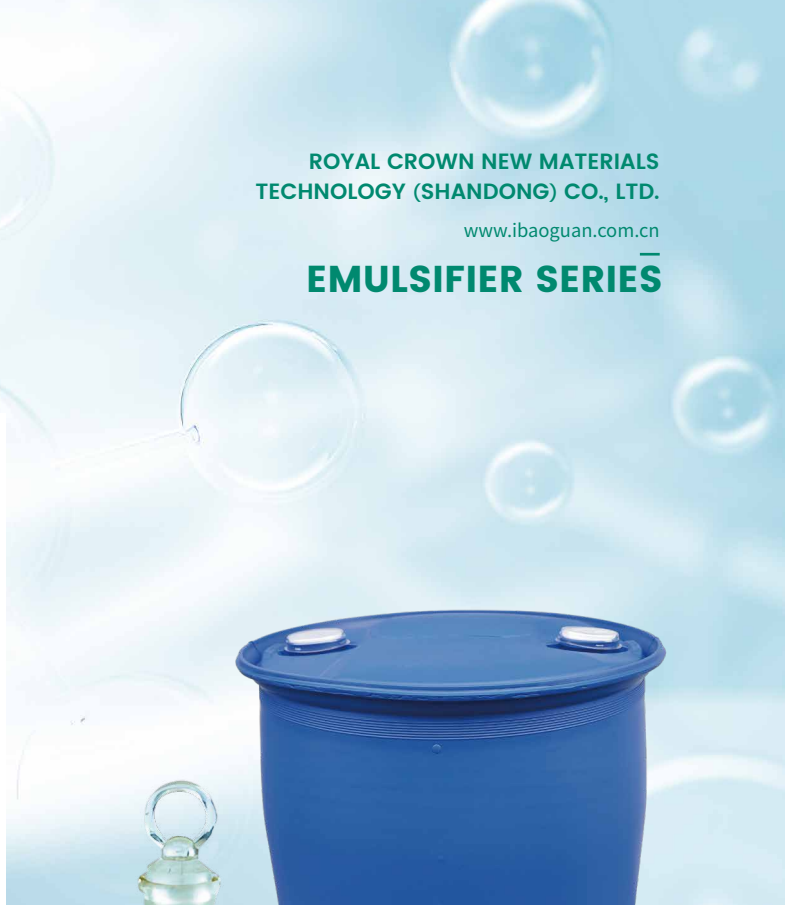
Used as an oil agent for W/O type emulsion explosives, nylon and viscose cord, it has a good smoothing effect on fibers. Used for emulsifying machinery, coatings, chemicals, and explosives. Used as an emulsifier in weighted mud for oil drilling; Used as an emulsifier in the production of food and cosmetics; Used as a dispersant in the paint and coating industry; Used as a stabilizer in the production of titanium dioxide; Used as insecticides, wetting agents, and emulsifiers in pesticide production; Used as a co solvent in petroleum products; It can also be used as an anti rust agent for rust oil. Lubricants and softeners used in textiles and leather. As a film anti fogging properties, with a dosage of 1-1.5% in PVC and 0.5-0.7% in polyolefins.

Packing

50KG and 200KG packaging drums.

Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as a general item. Store in a dry, cool, and ventilated place.



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GUAN

S-85

Sorbitan Trioleate

司盘85

宝冠新材料科技(山东)有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

化学名称

山梨醇酐三油酸酯

分子式

$C_{60}H_{108}O_8$

相对分子量

957.4947

性状

淡黄色至黄色油状液体,在乙醇中微溶,在水中不溶。

性能

具有乳化、稳定、润滑等性能。

主要用途

可用于各种食品的防霉、防腐和保鲜,如面包、饼干、蛋糕、乳制品、肉制品、饮料等。用于各种工业产品的防霉、防腐和保鲜,如涂料、胶粘剂、油漆、纸张等;用于各种饲料的防霉、防腐和保鲜,如饲料添加剂、饲料原料等。

包装

50KG、200KG桶包装。

贮运

本品为非易燃、易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。



BAO
GUAN



S-85

Sorbitan Trioleate

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

www.ibaoguan.com.cn

EMULSIFIER SERIES

Chemical name

Sorbitan trioleic acid ester

Molecular formula

$C_{60}H_{108}O_8$

Relative molecular weight

957.4947

Character

Light yellow to yellow oily liquid, slightly soluble in ethanol, insoluble in water.

Performance

Its properties include emulsification, stability and lubrication.

Purpose

Can be used for mold prevention, preservation, and preservation of various foods, such as bread, cookies, cakes, dairy products, meat products, beverages, etc. Used for anti mold, anti-corrosion, and preservation of various industrial products, such as coatings, adhesives, paints, paper, etc; Used for mold prevention, preservation, and preservation of various types of feed, such as feed additives, feed ingredients, etc.

Packing

50KG and 200KG packaging drums.

Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as a general item. Store in a dry, cool, and ventilated place.



BAO
GUAN



Polyglyceryl Ester

聚甘油酯

宝冠新材料科技(山东)有限公司
www.ibaoguan.com.cn

乳化剂系列

ADDITIVES



化学名称

聚甘油脂肪酸酯

物理性质

聚甘油酯为浅黄色至棕色油状粘稠液体或硬性蜡状固体,具有良好的溶解性和表面活性性质。

化学性质

聚甘油酯具有良好的稳定性,在高温和光照条件下不容易分解。它们可以与其他表面活性剂和添加剂相容,并且能够在水和油之间形成乳化体系。

理化指标

项目	指标值
酸值 (以KOH计) / (mg/g) ≤	12
碘值	符合声称
皂化值	符合声称
灼烧残渣, w% ≤	1.5
铅 (pb)/(mg/kg) ≤	2.0

主要用途

聚甘油酯广泛应用于食品、药品、化妆品和工业领域。在食品中,它们常作为食品添加剂,用于调整食品的韧性、增加黏稠感和改善口感。在药品和化妆品中,它们用于制备乳化剂、防腐剂和稳定剂。在工业中,聚甘油酯也可以用作润滑剂、塑化剂和表面活性剂。



包装

50KG包装桶。

贮运

本品为非易燃、易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。

BAO GUAN



POLYGLYCERYL ESTER

ROYAL CROWN NEW MATERIALS
TECHNOLOGY (SHANDONG) CO., LTD.

www.ibaoguan.com.cn

ADDITIVES



Chemical name

Polyglycerol fatty acid ester

Physical property

Polyglycerides are light yellow to brown oily viscous liquids or hard waxy solids with good solubility and surface activity properties.

Chemical property

Polyglycerides have good stability and are not easily decomposed under high temperature and light conditions. They can be compatible with other surfactants and additives, and can form an emulsion system between water and oil.

Physical and chemical indicators

Project	Indicator value
Acid value (calculated as KOH)/(mg/g) ≤	12
Iodine value	Compliant with claims
Saponification value	Compliant with claims
Burning residue, w% ≤	1.5
Lead (Pb)/(mg/kg) ≤	2.0

Purpose

Polyglycerides are widely used in the fields of food, medicine, cosmetics, and industry. In food, they are often used as food additives to adjust the toughness of food, increase viscosity, and improve taste. In pharmaceuticals and cosmetics, they are used to prepare emulsifiers, preservatives, and stabilizers. In industry, polyglycerols can also be used as lubricants, plasticizers, and surfactants.



Packing

50KG packaging drum.

Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as a general item. Store in a dry, cool, and ventilated place.

BAO GUAN





北京宝冠助剂有限公司

中国·北京城市副中心

Beijing Royal Crown Additives Co., Ltd

Beijing Municipal Administrative Center, China

宝冠新材料科技（山东）有限公司

中国山东·德州（禹城）国家高新技术产业开发区富华街

Royal Crown New Materials Technology (Shandong) Co., Ltd

Fuhua Street, Dezhou (Yucheng) National High-tech Industrial Development Zone, Shandong, China

香河宝冠塑业助剂有限公司

中国河北·廊坊市香河经济开发区

Xianghe Royal Crown Plastic Industry Additives Co., Ltd

Xianghe Economic Development Zone, Langfang City, Hebei Province, China
