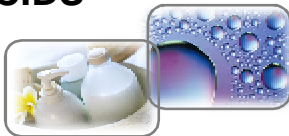


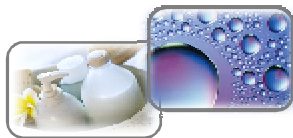
Product Name	Chemical Name	Application Industry	Functionality
C18 Fatty Acids	Stearic Acids <i>Cas No.</i> 57-11-4 <i>Einecs No.</i> 200-313-4	Adhesives	Used as hot melt adhesive for preventing from increasing in viscosity.
		Candles	Direct used in blending with paraffin, function as opacifier, melting rate controller, improves colour stability, gives shining and non-greasy effect, smokeless and odorless burning. Can be applied from a few percent to 100%, depend on the characteristics needed.
		Cements	Added into cement during dehydration to make it impervious to water (water repellent).
		Chemical Intermediates	Used in production of fatty acid isethionate which is used as anionic surfactant in solid and liquid soap.
		Chemical Intermediates	Used in production of metallic soaps. Example metallic stearate used as rubber release agent, calcium stearate as lubricant coated paper.
		Chemical Intermediates	Used in production of fatty acid sarcosinate which is used in detergent formulation.
		Chemical Intermediates	Reacted with sorbitol to form sorbitan monostearate/tristearate which is used as emulsifier in food, healthcare products, cosmetics, coatings, plastics and pesticides. It is also employed to create synthetic fibers, metal machining fluid, brighteners in the leather industry.
		Chemical Intermediates	Used in production of fatty alcohol.
		Chemical Intermediates	Used in production of propylene glycol stearate for use in personal care products as skin conditioning agent, emollient and as additive in food.
		Chemical Intermediates	Used in production of imidazolines. Imidazolines can be used in foamer composition and corrosion inhibitor in oil well.
		Chemical Intermediates	Used in production of fatty amine, as raw material for cationic and amphoteric surfactants.
		Chemical Intermediates	Used in production of fatty acid methyl ester (FAME).
		Chemical Intermediates	Used in production of ethylhexyl stearate which is used raw material for spin finishes and oiling agent for textile, pigment carrier in printing inks.
		Chemical Intermediates	Used in production of n-butyl stearate which is plasticizer for injection molding grades of polystyrene; lubricant in processing of synthetic fibers; metal-working lubricant in rolling of aluminum.
		Chemical Intermediates	Used in production of fatty amine, as raw material for cationic and amphoteric surfactants.
		Coatings	Used in composition of water repellent system to impart water repellency to materials including wood, paper, textile, surface coatings, inks, leather and adhesives.
		Cosmetics	Used in alcohol ester or monostearate form which is used as carrier and emollient in cosmetic formulation.
		Crayons	Direct used by incorporated into petroleum wax, gives firm effect to the crayon tip and help to disperse the pigment in the wax. Soft crayon contain up to 40% of fatty acid, while marker crayon contain less.
		Food	Distilled glycerol monostearate and sodium stearyl lactylate from stearic acid act as additive in food and bakery products as food emulsifier; lubricant; defoaming agent. Used as anti-caking agent and plasticizer in chewing gum. Also used in flavours.
		Inks	Served as polarizing agents to aid in the selective release of printing inks.
		Leather	Formulation of leather waxes to provide high gloss hard shine and softer pliable leather.
		Lubricants	Metallic soap of stearic acid is used as thickening agent in grease which is semisolid synthetic lubricant. Commonly used metals in grease are sodium, calcium, aluminium and lithium.
		Metal/Metal Working	Directly used as lubricant and emulsifier in rolling and cutting oil applications. Use level is varied from 2-4% for rolling oils and 2-15% for cutting oils.
		Metal/Metal Working	Used as buffing compounds to polish chrome and nickel parts, pure or after plating.
		Metal/Metal Working	As slipping agent on high speed steel wire drawing.



Product Name	Chemical Name	Application Industry	Functionality
		Metal/Metal Working	React with diethanolamine to form fatty amide which is used as lubricity agent for metalworking coolants and hydraulic fluid.
		Paints	Used in production of oxazoline which is used for preparation of poly-N-acylalkyleneimines, a paint binder.
		Pencils	Direct used in graphite pencils making to fill up the core porosity. The usage is varied from 10-15% depends on core porosity.
		Personal care/ Toiletries	Directly used in shaving bars to give firmness, as ingredient in shaving cream, creams and lotions. Can be used as cleansing agent and emulsifying agent.
		Personal care/ Toiletries	Used in the production of liquid and transparent soap.
		Personal care/ Toiletries	Used in the production of glycol stearate/distearate which is used as pearlescing agent.
		Pharmaceuticals	Edible vegetable based carriers in capsules and ointments. Excellent ingredient in the formulation of creams.
		Plastics	Main raw material in making ethylene bis stearamide (EBS), PVC plasticizers (e.g butyl stearate) and metallic soaps (e.g calcium stearate) which are used as lubricant in providing good polymer flow in the plastic compounding and extrusion.
		Rubber	Direct used as vulcanizing additives in dry rubber compounding process. Vulcanization is promoted with fatty soaps of zinc formed in-situ. These soaps act as dispersing agent for carbon black and conferring plasticity to the rubber. Use level is 1-5 parts of stearic acids per 100 parts rubber. Stearic acid soap is also used as emulsifier in SBR (styrene-butadiene rubber) production.
		Textiles	Applied as textile auxiliaries like fabric softener, dyes and also for scouring wool.

For enquiry, email us at enquiry@klkoleo.com.my

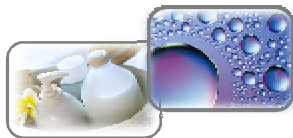
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产品	化学名	应用领域	用途
C18 脂肪酸	硬脂酸 Cas No. 57-11-4 Einecs No. 200-313-4	胶粘剂	用在热熔胶以预防粘度的增加。
		蜡烛	直接应用于与石蜡混合，作为遮光剂和控制熔解度，改善颜色的稳定性，使光亮不油腻，低烟和低焦味。不同的特征需不同的含量，用量可从几百分率到100%。
		水泥工业	在水泥工业，硬脂酸加入在脱水过程中，做为不透水性功能剂。
		化工中间体	用于生产脂肪酸羟乙磺酸盐，在固体和液体肥皂内作为阴离子表面活性剂。
		化工中间体	用作金属皂的生产。如金属硬脂酸用作橡胶脱模剂，硬脂酸钙用在润滑剂涂层纸。
		化工中间体	用于脂肪酸肌氨酸盐的生产，作为洗涤剂的配制。
		化工中间体	与山梨糖醇反应形成失水山梨醇硬脂酸酯/三油酸酯，用于食品、保健品、化妆品、涂料、塑料和杀虫剂的乳化剂，它也可用在合成纤维、金属加工液和皮革工业用的光亮剂。
		化工中间体	用作脂肪醇的生产。
		化工中间体	用于生产乙二醇硬脂酸酯作为个人护理产品的皮肤调节剂和润肤剂和食品的添加剂。
		化工中间体	用于生产咪唑啉，作为油田用的发泡剂配制和缓蚀剂。
		化工中间体	用于生产脂肪胺，作为阳离子和两性离子表面活性剂的原料。
		化工中间体	用于生产脂肪酸甲酯。
		化工中间体	用于生产硬脂酸异辛酯，作为纺丝油剂的原料，印刷油墨颜料的载体
		化工中间体	用于生产硬脂酸正丁酯，在注射成型作为聚苯乙烯的增塑剂，合成纤维加工的润滑剂，铝轧制中的金属加工润滑油。
		化工中间体	用于生产脂肪胺，作为阳离子和两性离子表面活性剂的原料。
		涂料	用于防水配制的组成，可用在木类、纸、纺织、表面涂料、油墨、皮革和粘合剂。
		化妆品	其醇酯或硬脂酸在化妆品配制作为载体和软化剂。
		蜡笔	直接应用,纳入到石油蜡，使蜡笔头坚固和帮助分散蜡色素。软性蜡笔包含多达40%的脂肪酸，而在标记蜡笔内含量较少。
		食品	硬脂酸制成的蒸馏甘油单硬脂酸酯和硬脂酸乳酯钠可作为食品添加剂和乳化剂。用作口香糖抗结块剂和增塑剂。也用于香料。
		油墨	印刷墨用的极性剂。
		皮革	用于皮革蜡配制品，提高光泽度和柔韧度。
		润滑剂	金属肥皂硬脂酸可作为一种半固态合成润滑油，在油脂制作作为增稠剂。油脂内常用的金属有钠、钙、铝和锂。
		金属/金属加工	直接用作轧制和切削油用的润滑剂和乳化剂。在轧制油用的用量可从2至4%，切削油从2至15%。
		金属/金属加工	用作打磨抛光纯或电镀后的铬和镍钢。
		金属/金属加工	是高速拉钢线的增滑剂。
		金属/金属加工	用于生产脂肪酸酰胺作为金属加工冷却剂和液压油的润滑剂。
		漆	用作噁唑啉的生产作为聚-N-酰基烯化亚胺，是一种油漆粘合剂。
		铅笔	直接应用在石墨铅笔以填补核心孔隙度。用量可在10-15%。

保美乐™ 脂肪酸

应用领域



产品	化学名	应用领域	用途
		个人护理品/浴用品	直接用于坚定剃须棒，用于剃须霜、面霜和乳液的原料。也可用作清洁剂和乳化剂。
		个人护理品/浴用品	用于液体和透明皂。
		个人护理品/浴用品	用于生产乙二醇单/双硬脂酸酯，作为珠光剂。
		药品	胶囊剂和药膏用可食植物基载体。是药膏的最佳原料。
		塑料	用于乙烯基双硬脂酰胺（EBS）、PVC增塑剂（如硬脂酸丁酯）和金属制皂（如硬脂酸钙）生产的主要原料，作为塑料混炼和挤压加工中的良好的润滑剂。
		橡胶	在橡胶混炼加工中作为硫化添加剂。锌制脂肪皂原位可促进硫化。这些脂肪皂作为炭黑分散剂，提高橡胶的塑性。每100分橡胶，使用1至5分的硬脂酸。硬脂酸皂可在丁苯橡胶生产用作乳化剂。
		纺织	用作纺织助剂如织物柔软剂，染料和清洗剂。

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