

Providing Creative Solutions



■ Personal Care Solutions



HYDRITE CHEMICAL CO.

Product Offering

Hydrite offers a range of manufactured and distributed raw materials for use in a wide range of personal care formulas; including a complete line of surfactants, silicones, pH adjusters, solvents, oils, preservatives, sanitizers, and waste water treatment.



- Alcohols
- Conditioning Agents
- pH Adjusters
- Sanitizers
- Antioxidants
- Emollients
- Surfactants
- Defoamers
- Emulsifiers
- Solvents
- Thickeners

Markets Served

- Bath & Shower
- Body Lotions
- Hair Styling
- Shampoo & Conditioner
- Skin Care
- Sunscreen
- Toiletries



Supplier



Zschimmer and Schwarz offers a variety of esters, mild surfactants, blends, and conditioning agents to aid in personal care formulation development, product performance, and consumer acceptance. They have a knowledgeable technical staff and manufacturing located near Atlanta, Georgia. Z&S offers materials compatible with skin care lotions and washes, hair care shampoo, conditioner, and styling, as well as materials for sun care and cosmetics.

Lab Services

Hydrite provides product testing services for our customers in the form of chemical analysis and product performance testing. Our chemists are experienced formulation experts and are here to help customers with product development and industrial support.



Technical Support

Hydrite's dedicated chemists, engineers, and technical service staff have extensive knowledge and experience in solving the most challenging formulating problems. Hydrite has a strong commitment to quality and customer service.



Compliance Management Services

Cosmetic regulation compliance is crucial in the personal care industry. Hydrite understands these requirements and offers compliance management services. Hydrite is FDA approved, EPA registered, and our manufacturing follows cGMP practices.



Custom Blending & Toll Manufacturing

We offer superior products, innovative solutions, and chemistry blends with product testing as well as quality and control standards.



Environmental Services

At Hydrite, we are able to offer our customers environmental consulting and management services that are custom designed to fit every aspect of your company's needs.





ZSCHIMMER & SCHWARZ

Zschimmer and Schwarz's product line of esters are widely used in both leave-on and rinse-off formulations: toiletries, emulsions, make-up, hair care, DEO-AP. Esters are appreciated for their intrinsic characteristics, starting from the "green" synthesis that has a very low impact on the environment, because their by-product is mainly water, and for their safety, versatility and ease of use and handling in many cosmetic formulations.*

Trade Name	INCI	Function	Application	Characteristics
Lubricit 10L-DF	Decyl Laurate			Melt point Appearance Liquid Solubility Oil Soluble
Lubricit 1212	Lauryl Laurate	Emollient. Improves slip of formulation and helps increase stability of formulation	Lotions, serums	Melt point Appearance Liquid Solubility Oil Soluble
Lubricit 2-EHC 16-DF	Ethylhexyl Palmitate	Emollient, pigment wetting agent. Derived from palm oil. Replacement for mineral oil	Lotions, conditioner, sunscreen	Appearance Liquid Solubility Oil Soluble
Lubricit 2-EHiC9-DF	Ethylhexyl Isononanoate	Emollient and sensory ingredient. Enhances product feel, soft yet non-greasy	Lotions, hair styling	Appearance Liquid
Lubricit 2-EHS-S-DF	Ethylhexyl Stearate Ethylhexyl Palmitate	Thickening agent, emollient, skin conditioning agent	Lotions, sunscreen, conditioner	Appearance Liquid Solubility Oil Soluble
Lubricit DOA-DF	Ethylhexyl Adipate	Light emollient, glossing agent, film formation aid	Lotions, sunscreen	Appearance Liquid Solubility Oil Soluble
Lubricit EHEHA-DF	Ethylhexyl Ethylhexanoate	Emollient	Lotions, sunscreen	Appearance Liquid Solubility Oil soluble
Lubricit G20 C18	Octyldodecyl Stearate			Appearance Liquid
Lubricit iC9-9-DF	Isononyl Isononanoate	Emollient and Lubricating agent. Reduces greasiness while leaving a silky smooth feel	Lotions, sunscreen, hair care	Appearance Liquid Solubility Oil soluble

Trade Name	INCI	Function	Application	Characteristics
Lubricit MCT-DF	Capric/Caprylic Triglycerides	Emollient derived from coconut oil. Form a protective barrier around the skin to hold in moisture	Lotions, sunscreen, conditioner	Appearance Liquid Solubility Oil soluble
Lubricit PT-SMO-VEG	Sorbitan Oleate	Nonionic O/W co-emulsifier, W/O emulsifier	Lotions, sunscreen, conditioner	Appearance Liquid HLB 4.3 Solubility Oil soluble, water dispersible Melting Point 24F
Lubricit PT-STO-VEG	Sorbitan Trioleate	Nonionic O/W co-emulsifier, W/O emulsifier	Lotions, sunscreen, conditioner	Appearance Liquid HLB 1.8 Melting Point 25F
Lubricit SMIS	Sorbitan Isostearate	Nonionic emulsifier and dispersing agent	Lotions, sunscreen	Appearance Liquid HLB 4.7
Lubricit SML	Sorbitan Laurate	Nonionic O/W co-emulsifier, W/O emulsifier	Lotions, sunscreen, conditioner	Appearance Liquid HLB 8.6 Solubility Oil and water dispersible
Lubricit SMO	Sorbitan Oleate	Nonionic O/W co-emulsifier, W/O emulsifier	Lotions, sunscreen, conditioner	Appearance Liquid HLB 4.3 Melting Point 24F
Lubricit SMS-H	Sorbitan Stearate	Nonionic O/W co-emulsifier, W/O emulsifier	Lotions, sunscreen, conditioner	Appearance Waxy solid HLB 4.7 Melting Point 57C Solubility Oil soluble, water dispersible
Lubricit SSO-H	Sorbitan Sesquioleate	Emulsifier	Lotions, sunscreen, conditioner	Appearance Liquid HLB 3.7
Lubricit STO-H	Sorbitan Trioleate	Nonionic O/W co-emulsifier, W/O emulsifier	Lotions, sunscreen, conditioner	Appearance Liquid HLB 1.8 Solubility Oil soluble
Lubricit TDS-DF	Isotridecyl Stearate	Emulsifier	Lotions	Appearance Liquid Solubility Oil soluble

*Source: Esters and Solutions, new frontier H&PC Today - Household and Personal Care Today - vol. 12(6) November/December 2017, <http://www.teknoscienze.com/wp-content/uploads/2017/11/ZSCHIMMER-SCHWARZ.pdf>



Zschimmer and Schwarz's Mulsifan product line is comprised of PEG Esters and alcohol alkoxyates that are used as emulsifiers.

ZSCHIMMER & SCHWARZ

Trade Name	INCI	Function	Application	Characteristics
Mulsifan CB	Beheneth-10	O/W emulsifier. Especially suited for low solids formulations	Lotions, conditioner	Appearance HBL Wax 10.1
Mulsifan CGM 165	Glyceryl Stearate PEG-100 Stearate	O/W emulsifier. Recommended for the emulsification of mineral and vegetable oils	Lotions, conditioner	Appearance HBL Pellets 11
Mulsifan CLA 09	Laureth-9	O/W emulsifier for the formulation of skin soothing creams with low melting point	Lotions	Appearance HBL Solubility Paste 13.6 Water & ethanol
Mulsifan COL 20	Cetolet-20	O/W emulsifier for formulation of micro-emulsions	Lotions, sunscreen	Appearance HBL Solubility Waxy solid 15.4 Water
Mulsifan CPA	Laureth-4	O/W emulsifier, well suited for oil containing body wash	Lotions, body wash	Appearance HBL Liquid 9.5
Mulsifan CPS 20	Polysorbate 20	Solubilizer for essential oils	Body wash, shampoo	Appearance HBL Liquid 16.7
Mulsifan CPS 80	Polysorbate 80	O/W emulsifier, oil solubilizer	Lotions, shampoo, body wash	Appearance HBL Solid 15
Mulsifan CSA 02	Steareth-2	O/W emulsifier	Lotions	Appearance HBL Waxy Solid 4.9
Mulsifan CSA 20	Steareth-20	O/W emulsifier	Lotions	Appearance HBL Solubility White Pellets 15 Water
Mulsifan CSA 21	Steareth-21	O/W emulsifier	Lotions	Appearance HBL White Pellets 15.5
Mulsifan CTP 14	PPG-1 Trideceth-13	Fragrance Solubilizer	Lotions, body wash	Appearance HBL Liquid 14
Mulsifan 200 DL	PEG-4 Dilaurate	Emulsifier	Lotions	Appearance HBL Solid 6.7
Mulsifan 200 DO	PEG-4 Dioleate	Emulsifier	Lotions	Appearance HBL Liquid 5.3

Trade Name	INCI	Function	Application	Characteristics
Mulsifan 200 ML	PEG-4 Laurate	Emulsifier, emollient	Lotions, sunscreen	HLB 10
Mulsifan 200 MO	PEG-4 Oleate	Emulsifier, emollient	Lotions, sunscreen	HLB 10
Mulsifan 200 MS	PEG-4 Stearate	Emulsifier, emollient	Lotions, sunscreen	HLB 8.3
Mulsifan RT 203/80	C12-15 Pareth-12	Fragrance solubilizer for surfactant formulations that doesn't affect the lathering or thickening of the finished formulations	Body wash, shampoo	Appearance HBL Solubility Liquid 14.4 Water Soluble
Mulsifan 300 ML	PEG-6 Laurate	Emulsifier, emollient	Lotions, sunscreen	HLB 12
Mulsifan 300 MO	PEG-6 Oleate	Emulsifier, emollient	Lotions, sunscreen	HLB 10.3
Mulsifan 300 MS	PEG-6 Stearate	Emulsifier, emollient	Lotions, sunscreen	HLB 10.3
Mulsifan 400 DL	PEG-8 Dilaurate	Emulsifier, emollient	Lotions, sunscreen	Appearance HBL Liquid 10
Mulsifan 400 DO	PEG-8 Dioleate	Emulsifier, emollient	Lotions, sunscreen	Appearance HBL Liquid 8.3
Mulsifan 400 ML	PEG-8 Laurate	Emulsifier, emollient	Lotions, sunscreen	Appearance HBL Liquid 13.3
Mulsifan 400 MO	PEG-8 Oleate	Primary emulsifier, emollient, nonionic surfactant	Lotions, sunscreen	HLB 11.8
Mulsifan 400 MS	PEG-8 Stearate	Emulsifier, emollient	Lotions, sunscreen	HLB 11.7
Mulsifan 600 DL	PEG-12 Dilaurate	Emulsifier, emollient	Lotions, sunscreen	Appearance HBL Liquid 11.7
Mulsifan 600 DO	PEG-12 Dioleate	Primary emulsifier, emollient, nonionic surfactant	Lotions, sunscreen	HLB 10.3
Mulsifan 600 DS	PEG-12 Distearate	Emulsifier, emollient	Lotions, sunscreen	HLB 10.3
Mulsifan 600 ML	PEG-12 Laurate	Emulsifier, emollient	Lotions, sunscreen	HLB 15
Mulsifan 600 MO	PEG-12 Monooleate	Emulsifier, emollient		HLB 13.6
Mulsifan 600 MS	PEG-12 Stearate	Emulsifier, emollient	Lotions, sunscreen	HLB 13.6
Mulsifan 6000 DS	PEG-150 Distearate	Emulsifier, emollient	Lotions, sunscreen	Appearance HBL Solid Flake 18.3

Zschimmer & Schwarz - Surfactants and Specialties

Personal Care Solutions



Zschimmer and Schwarz offers a large product line of anionic, non-ionic and amphoteric surfactants for use in a variety of applications.

ZSCHIMMER & SCHWARZ

Trade Name	INCI	Function	Application	Characteristics
Amphotensid B 4 SB	Cocamidopropyl Betaine	Secondary amphoteric surfactant, helps improve richness of lather of shampoo & body wash formulations. Increases the mildness of formulations	Shampoo, body wash	Appearance Liquid
Amphotensid D 1	TEA-Lauraminopropionate	Amphoteric surfactant with low foaming but good wetting properties. Can be used in a large range of pHs	Body and face wash, lotions	Appearance Liquid
Lumorol K 1000	MIPA-Laureth Sulfate Laureth-4 Cocamide DEA	Anionic surfactant blend to aid in the foaming of shower and bath oils. Used in anhydrous formulations	Shower and bath oils	Appearance Liquid Solubility Oil Soluble



Trade Name	INCI	Function	Application	Characteristics
Lumorol K 5019	Disodium Laureth Sulfosuccinate Sodium Lauryl Sulfoacetate	Anionic surfactant blend with good foaming properties and mild to the skin. Recommended for sulfate-free formulations	Face wash, shampoo, Baby wash & baby shampoo	Appearance Liquid
Lumorol K 5229	MIPA-Laureth Sulfate Laureth-4	Anionic surfactant blend to aid in the foaming of shower and bath oils. Used in anhydrous formulations	Shower and bath oils	Appearance Liquid Solubility Oil Soluble
Lumorol K5303	Sodium Lauroyl Sarcosinate Sodium Lauryl Sulfoacetate	Anionic surfactant blend for shampoo & body wash formulations. Good for sulfate -free formulations, provides mildness, excellent foaming properties & viscosity control	Shampoo, body wash	Solubility Viscous liquid
Oxetal VD 92	PEG-90 Glyceryl Isostearate Laureth-2	Extremely efficient thickening agent for body washes and shampoos. Improves foaming ability and stability	Shampoo, body wash	Appearance Liquid
Protelan AG 8	Sodium Cocoyl Glutamate	Mild anionic surfactant used to decrease irritation from SLES/SLS and acts as an emulsifier for lipids	Shampoo, body wash	Appearance Liquid
Protelan AGL 95	Sodium Lauroyl Glutamate	Mild anionic surfactant compatible with other anionic, nonionic, and amphoteric surfactants. Improves skin compatibility in such formulations	Shampoo, body wash, Baby wash & baby shampoo	Appearance Liquid
Protelan AGL 95/C	Disodium Cocoyl Glutamate	Mild anionic surfactant with moderate foaming power. Leaves hair soft & glossy	Shampoo, Baby wash & baby shampoo	Appearance Liquid
Protelan ENS	Glyceryl Stearate Cetearyl Alcohol Stearic Acid Sodium Lauroyl Glutamate	O/W emulsifier with excellent moisturizing effect	Facial lotions	Appearance Solid

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Trade Name	INCI	Function	Application	Characteristics
Protelan LS 7585 <small>Contains Preservatives Preservative-Free version available</small>	Sodium Lauroyl Sarcosinate	Very mild surfactant suitable for sensitive skin. Improves foam and thickening properties of formulation	Shampoo, face wash, body wash; Baby wash & baby shampoo	Appearance Liquid
Protelan LS 9011/C-US	Sodium Cocoyl Sarcosinate	Very mild surfactant suitable for sensitive skin. Suitable for baby care products. Improves foam & thickening of formulation	Shampoo, face wash, body wash; Baby wash & baby shampoo	Appearance Liquid
Protelan PCA 40	Sodium PCA	Humectant, unpreserved solution of Sodium PCA in glycerine and water	Shampoo, conditioner, lotions	Appearance Liquid
Protelan VE/K	Sodium Cocoyl Hydrolyzed Wheat Protein	Mild surfactant that improves skin compatibility of surfactant formulations	Shampoo, body wash, baby wash	Appearance Liquid
Sebumol LPC	Lauryl PCA	Skin conditioning agent & moisturizer. Melting point slightly under body temperature, which allows product to melt on the skin	Lotions, conditioner	Appearance Soft Wax
Sebumol ODPC	Octyldodecyl PCA	Skin conditioning agent that spreads easily and absorbs quickly. Leaves skin feeling silky and non-greasy	Lotions, body wash	Appearance Liquid
Sebumol SPC	Isostearyl PCA	Specialty moisturizing ester that spreads easily and absorbs quickly. Provides structure to the foam of rinse off formulations	Body wash, face wash	Appearance Liquid

Trade Name	INCI	Function	Application	Characteristics
Setacin 103 SB	Disodium Laureth Sulfosuccinate	Anionic surfactant, improves mildness of formulation	Shampoo, body wash	Appearance Liquid
Sulfetal C 90 Powder	Sodium Lauryl Sulfate	High foaming anionic surfactant	Shampoo, body wash, toothpaste	Appearance Powder
Sulfetal LA	Ammonium Lauryl Sulfate	High foaming anionic surfactant	Shampoo, body wash	Appearance Liquid
Sulfetal LS-E	Sodium Lauryl Sulfate	High foaming anionic surfactant	Shampoo, body wash, toothpaste	Appearance Liquid
Sulfetal MG-HE	Magnesium Lauryl Sulfate	Mild anionic surfactant that is highly skin compatible	Shampoo, body wash, baby wash	Appearance Liquid



Providing Creative Solutions

Hydrite offers expertise in chemical distribution and manufacturing. Hydrite, established in 1929, is one of the largest independent providers of chemicals and related services in the United States. Hydrite has a network of manufacturing facilities, warehouses, and laboratories located in Illinois, Wisconsin, Iowa, Indiana, California, and Texas with over 900 employees in 23 states.

Contact your local Hydrite representative for samples



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