



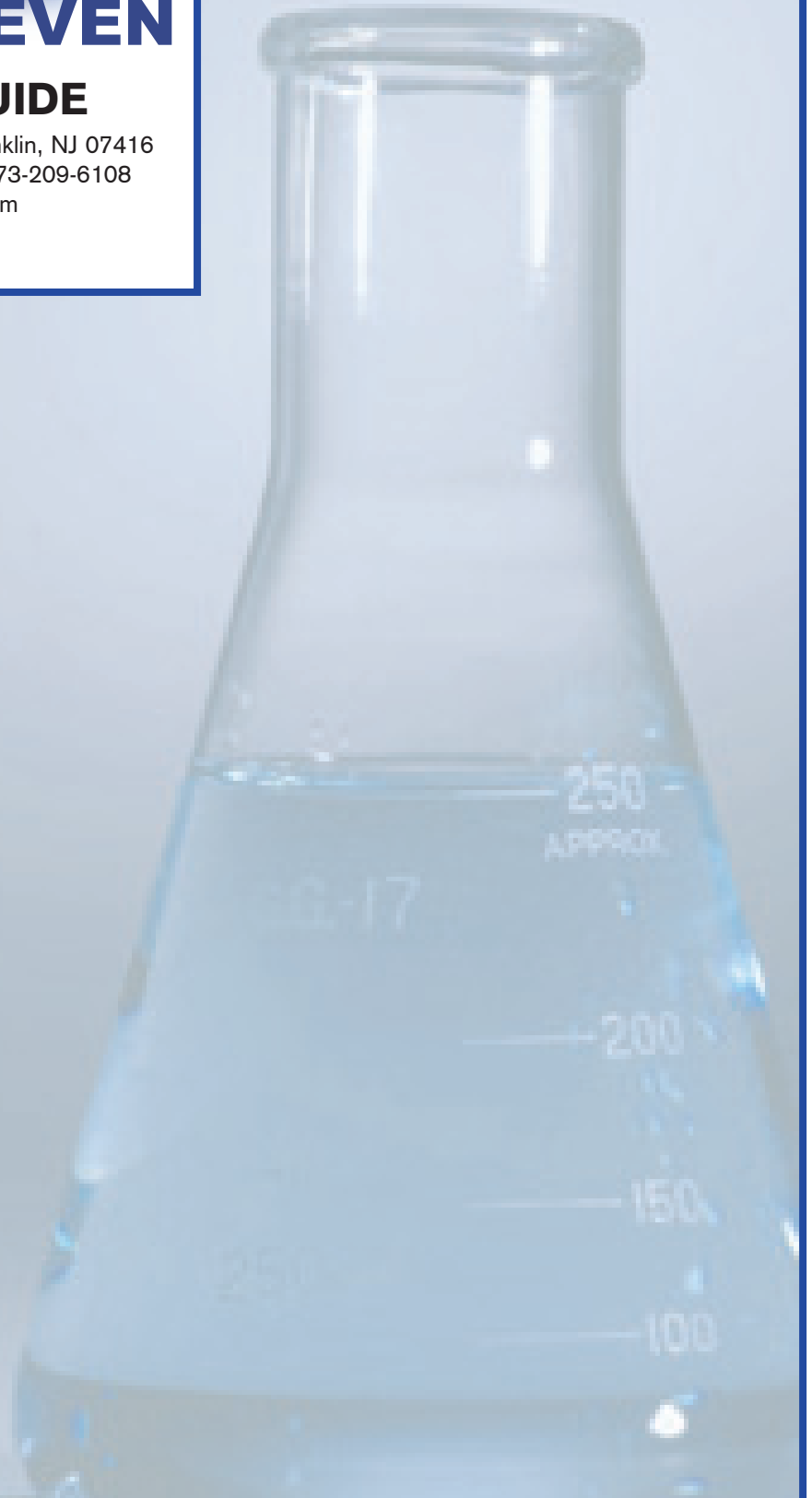
GLOBAL SEVEN

PRODUCT GUIDE

6 Park Drive P.O. Box 367 • Franklin, NJ 07416

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www.globalseven.com



Product Guide



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Global-Seven is a unique producer of specialty organic chemicals. Complementing their product line is the flexibility to create variations of products to suit customer's specifications.

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Revised March 2009

Specialty Esters



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Esters to deliver aesthetic properties and emollience. Emollients form a thin lubricating film on the surface of the skin helping to maintain a soft and smooth feel and a more moisturized appearance.

PRODUCT

INCI NAME

FORM

PROPERTIES

SOLUBILITY and SPREADING RATE, mm²

HLB

GLOBAL 4075

Glyceryl
Isostearate (and)
Caprylic/Capric
Glycerides

Liquid

This patent pending technology is a high performance thickening system developed specifically for anhydrous, non-polar systems. It is a light color, low odor liquid. Gel clarity can be varied from crystal clear and water white to opaque and creamy. Hardness can be varied from soft gels to hard sticks. This technology is applicable to a wide range of materials including Mineral oil, Mineral oil replacements, Esters, Silicones, Sunscreens, Vegetable oils, etc.

3-5

HEST 25B

C12-15 Alkyl
Benzoate

Liquid,
Light

A dry emollient ester providing the slip and barrier properties of mineral oil, without the greasiness. In hair care, this great lubricant provides improved wet and dry comb properties. It is an excellent solubilizer for anti-perspirants, sunscreens and fragrance oils. It is also an excellent pigment dispersant for color cosmetic products. This non-irritating ester is ideal for sensitive skin products.

Alcohol and Oil
Soluble

12.0

314

HEST BB

Behenyl
Behenate

Flake

This vegetable derived ester is formed by the reaction of Behenic Acid with Behenyl Alcohol. It is a superior wax substitute for creams, lotions, anti-perspirant sticks, and hair conditioners. The melt point is 72 degrees C. When added to the oil phase of an emulsion, this ester will build viscosity at low solids for a rich feel. It is very cost effective and non-irritating to the skin.

Oil Soluble

7.0

N/A

HEST GTO

Triethylhexanoin

Liquid,
Light

Light natural feel and good spreadability. Excellent solvent for organic sunscreens allowing good feel with high SPF. Excellent dispersant in powders and solid phase products such as liquid foundation, lipsticks and inorganic sunscreens. Stable to oxidation and pH and well suited for hair color, depilatories, relaxers, perms, AHA and sunscreen products.

283

8.0



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PRODUCT	INCI NAME	FORM	PROPERTIES	SOLUBILITY and SPREADING RATE, mm ²	HLB
HEST G-18-O	Glycereth-18 Ethylhexanoate (and) Glycereth-18	Liquid, Light	Global Seven Hest G-18-O is a non-irritating light water and alcohol soluble emollient with unique properties that delivers performance advantages in product forms of all types. Hest G-18-O is an ideal choice for use in sensitive skin applications since it is totally non-irritating. Hest G-18-O is an effective anti-microbial agent at concentrations of 1–2% or less with activity against a wide range of microorganisms including gram-positive bacteria, gram-negative bacteria, yeast and mold. Finished products using Hest G-18-O have greater resistance to microbial challenge, require lower levels of preservatives to pass challenge testing while delivering moisturization and long lasting anti-microbial protection to consumers. It can reduce or eliminate the need for conventional preservatives including parabens and formaldehyde donors. In leave-on products it also provides long lasting anti-microbial protection along with moisturization to consumers. It is an ideal choice for use in formulations that may be difficult to preserve such as sunscreens, sensitive skin products and preservative free products. Hest G-18-O is an ideal solvent for water insoluble materials. For example, Salicylic Acid is readily soluble in Hest G-18-O at room temperature. This means that Salicylic Acid, which is less irritating than other hydroxy acids can be used in exfoliation applications without the need for skin damaging solvents like ethyl alcohol resulting in reduced irritation, improved aesthetics, and increased performance. It also delivers a warming effect 2–3 times that of glycerin when applied to moist skin. It has the benefits of glycerin and glyceryl ethoxylates without the negatives like slow absorption, greasiness, tack or drag. In fact, it can eliminate tackiness and drag of other ingredients such as glycerin or gums, resins and thickeners such as carbomer. It is a slow spreading ester but it is readily absorbed. The result in formulations is added cushion and play- time on initial application, smooth non-draggy rubout and a light emollient after-feel without tack or greasiness similar to that of silicone. Since it is soluble in alcohol and water it can also be added to clear hydroalcoholic or hydrogel systems delivering a silky, soft after-feel, without tack or drag while maintaining product clarity. Use levels vary with application but are generally from 0.5-10%. When used as the sole emollient 5-10% or more may be appropriate, while in combination with other emollients 1-5% may be appropriate. Hest G-18-O delivers unique feel and consistency, increases formulation versatility, enhances aesthetics and reduces development cycle time.	Water and Alcohol Soluble 56	13-15

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					HLB
HEST IS-3-O	Isosteareth-3 Ethylhexanoate	Liquid, Light	A very light, non-irritating, odorless, long branched chain, fully saturated emollient ester, which is slightly water dispersible. It is very effective as a cold mix emulsifier. It also offers excellent dispersant properties for TiO ₂ , aluminum salts, and pigments. The ester provides moisturization and softness to the skin.	Water dispersible, Alcohol and Oil Soluble 241	12-14
HEST ODIS	Octyldodecyl Isostearate	Liquid	Similar spreadability to ODS but more emollient, greater cushion and longer play time than HEST ODS.	Oil Soluble 200	7.0 7-7.5
HEST ODS	Octyldodecyl Stearate	Liquid	Slower spreading ester with a light feel and good absorption.	188	6.5-7
HEST P-4IS	Pentaerythrityl Tetraisostearate	Liquid, Med.	A 100% active, fully saturated, branched, long chain emollient ester provides a persistent cushion and long lasting protective barrier in creams and lotions. It is an excellent pigment dispersant for high solid make-up products and bath oils. The cloud point is zero degrees C. This ester is an aesthetically pleasing replacement for Castor Oil. It is non-irritating and can be added to sensitive skin formulations.	Oil Soluble	7.0
HEST P-4-O	Pentaerythrityl Tetraethylhexanoate	Liquid, Med.	A 100% active, fully saturate, branched, long chain emollient ester provides a smooth, and velvet feel without becoming tacky. It imparts improved playtime and cushion in skin and sun products. It is an excellent pigment dispersant, and aesthetically pleasing replacement for Castor Oil. This non-irritating ester is ideal for sensitive skin formulations.	Alcohol and Oil Soluble 200	6.0
HEST TDS	Tridecyl Stearate	Liquid	Fast absorbing ester with an elegant, powdery dry feel.	269	12.0

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HEST T-3IS	Trimethylolpropane Triisostearate	Liquid, Med./ Light	Vegetable derived mineral oil/petrolatum replacement for skin and color cosmetics provides water resistance and helps boost SPF. Helps reduce tack and delivers shine and plasticizer properties in hair care products.	78	6.0
HEST 2T-4IS	Ditrimethylolpropane Tetrastearate	Liquid Med./ Heavy	This 100% active, vegetable derived petrolatum replacement for skin and color cosmetics provides water-resistant films and helps boost SPF. This liquid ester helps reduce tack of other esters and delivers shine and plasticizer properties in hair products.	Oil Soluble 39	9.0
HEST 2T-4S	Ditrimethylolpropane Tetrastearate	Flake	This 100% active ester has a high melt point of 50 degrees C. It is an excellent film former for color cosmetics to improve wear. In mascara, this ester will help decrease brittleness and cracking. The Hest 2T-4S will also help gel mineral oil. We suggest combining 30% ester with 70% mineral oil. It is a moisture barrier and provides a protective film in skin and hair products.	Partly Alcohol and Oil Soluble N/A	9.0
HEST TC	Tricaprylin	Liquid, Light	A very light, fast drying emollient ester providing residual feel in skin products. It is an excellent dispersant, wetting agent, and binder in color cosmetics.	Alcohol and Oil Soluble 254	7.0
HEST 2T5E-4HS	PEG-5 Ditrimethylolpropane Tetrahydroxystearate	Solid	This 100% active, vegetable derived replacement for Lanolin melts at body temperature. In skin products, this ester provides a water-resistant film, helps boost SPF, and provides barrier properties. It is also recommended in hair pomade to provide shine and gloss.	N/A	12-14



Ethoxylates and Propoxylates



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Oxylated alcohols offer a range of HLB values and are emulsifying and solubilizing agents for a wide variety of formulations. Ethoxylates are nonionic surfactants becoming more water soluble as the level of ethoxylation increases. The Propoxylates are nonionic surfactants becoming more oil and/or alcohol soluble as the level of propoxylation increases.

PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETOXOL CA-2	Ceteth-2	Solid	A secondary O/W emulsifier with a recommended usage level of 0.5-5%.	5.1
HETOXOL CA-20	Ceteth-20	Solid	An O/W emulsifier for creams and lotions. Acts as a wetting agent in sticks. We recommend a usage level of 0.5-5%.	15.5
HETOXOL CS-3	Ceteareth-3	Solid	An emulsifier with recommended usage level of 0.5-5%.	6.9
HETOXOL CS-20	Ceteareth-20	Solid	An O/W emulsifier and solubilizer. We recommend a usage level of 0.5-5%.	15.5
HETOXOL CS-25	Ceteareth-25	Solid	An O/W emulsifier and solubilizer with recommended use level of 0.5-5%.	16.3
HETOXOL CS-50	Ceteareth-50	Flake	An opacifier and solubilizer. We recommend a usage level of 0.5-5%.	17.8
HETOXOL DA-4	Deceth-4	Liquid	An emulsifier and solubilizer with recommended use level of 0.5-5%.	10.5
HETOXOL DA-6	Deceth-6	Liquid	An O/W emulsifier and solubilizer with recommended use level of 0.5-5%.	12.4
HETOXOL DA-9	Deceth-9	Solid	An O/W emulsifier and solubilizer with recommended use level of 0.5-5%.	14.3
HETOXOL I-10-P3-EI	PPG-3 Isodeceth-1	Liquid	A unique surfactant with excellent wetting properties with a very low foam profile providing defoaming action in the presence of foaming soils.	8.0
HETOXOL I-20-20	Octyldodeceth-20	Soft solid	Unique nonionic ethoxylate with twin-tailed alcohol as hydrophobe. This series of materials exhibit superior emulsion properties over conventional nonionics. They provide enhanced product aesthetics and stability with improved ease in manufacturing.	14.9
HETOXOL IS-2	Isosteareth-2	Liquid	A secondary emulsifier with recommended use level of 0.5-5.0%.	4.9
HETOXOL LA-3	Laureth-3	Liquid	An emulsifier and viscosity depressant with a recommended use level of 0.5-5%.	8.0
HETOXOL LA-4	Laureth -4	Liquid	An emulsifier and viscosity depressant with a recommended usage level of 0.5-5%.	9.4

Ethoxylates and Propoxylates



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PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETOXOL LA-7	Laureth-7	Liquid	An emulsifier with recommended use level of 0.5-5%.	12.2
HETOXOL LA-9	Laureth-9	Soft Solid	An emulsifier with recommended use level of 0.5-5%.	13.3
HETOXOL LA-12	Laureth-12	Semi-solid	An O/W emulsifier with a recommended usage level of 0.5-5%.	14.6
HETOXOL LA-12-80%	Laureth-12 (80%)	Liquid	An aqueous solution of HETOXOL LA-12.	14.4
HETOXOL LA-23	Laureth-23	Solid	A solubilizer with a recommended usage level of 0.5-5%.	16.7
HETOXOL LA-50	Laureth-50	Solid	A solubilizer with recommended use level of 0.5-5%.	18.3
HETOXOL OA-5	Oleth-5	Liquid	A solubilizer for bromo dyes. It also acts as a spreading agent in lipsticks and bath oils. We recommend a usage level of 0.5-5%.	8.8
HETOXOL OA-10	Oleth-10	Semi-solid	An O/W emulsifier with a recommended usage level of 0.5-5%.	12.4
HETOXOL OA-23-70%	Oleth-23(70%)	Liquid	An aqueous solution of HETOXOL OA-23.	15.6
HETOXOL OA-35	Oleth-35	Solid	An aqueous solubilizer with suggested usage level of 0.5-5%.	16.9
HETOXOL STA-2	Steareth-2	Solid	A secondary O/W emulsifier. It is ideal for use in creams, lotions and astringents. We recommend a usage level of 0.5-5%.	4.9
HETOXOL STA-10	Steareth-10	Solid	A primary O/W emulsifier in relaxers and antiperspirants with a recommended usage level of 0.5-5%.	12.4
HETOXOL STA-100	Steareth-100	Solid	A solubilizer with recommended usage level of 0.5-5%.	18.8
HETOXOL TD-3	Trideceth-3	Liquid	A secondary O/W emulsifier with a recommended usage level of 0.5-5%.	7.9

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PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETOXOL TD-6	Trideceth-6	Liquid	An O/W emulsifier with a recommended usage level of 0.5-5%.	11.3
HETOXOL TD-9	Trideceth-9	Liquid	An O/W emulsifier with a recommended usage level of 0.5-5%.	13.0
HETOXOL TD-12	Trideceth-12	Liquid	An O/W emulsifier with a recommended usage level of 0.5-5%.	14.5
HETOXOL TD-18	Trideceth-18	Soft Solid	An O/W emulsifier with recommended usage level 0.5-5%.	16.0
HETOXOL CAWS	PPG-5 Ceteth-20	Liquid	A solubilizer, emollient, humectant for clear gels. It reduces the fabric staining in antiperspirants. We recommend a usage level of 0.5-5%.	14.4
HETOXOL C 30P	PPG-30 Cetyl Ether	Liquid	An emollient.	10-11
HETOXOL SP-15	PPG-15 Stearyl Ether	Liquid	An antistat, conditioner, and emollient.	7.0

Polyoxylated Esters



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Polyoxylated derivatives of lauric, oleic, or stearic acid are emulsifiers, humectants, and coupling agents. They are hydrophilic and soluble or dispersible in water.

PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HEST HVB	PEG-175 Diisostearate	Solid	Excellent viscosity builder for shampoo, shower gel, bubble bath and creams. Improved solubility over PEG 6000 Distearate enhances clarity in clear products, lowers cloud point and provides better freeze-thaw stability. Also provides effective foam stability and is effective replacement for DEA/MEA amides. Cost effective building block for gels. Water soluble emollient non-greasy lubricity in hair care products. Effective in stick products.	18.7
HEST HVB Liquid	PEG-175 Diisostearate (and) Glycereth-7 Caprylate/ Caprate/Cocoate (and) Water	Liquid	All the benefits of HVB in a liquid form. Ideal for cold and hot process applications.	
HETOXAMATE MA-15	PEG-15 Monomerate	Soft Solid	A surfactant, emulsifier and coupling agent.	13.7
HETOXAMATE MI-9	PEG-9 Isostearate	Liquid	A surfactant, emulsifier and coupling agent.	11.0
HETOXAMATE MI-14	PEG-14 Isostearate	Soft Solid	A surfactant, emulsifier and coupling agent.	13.0
HETOXAMATE ML-5	PEG-5 Laurate	Liquid	An O/W emulsifier, surfactant and coupling agent.	9.3
HETOXAMATE ML-9	PEG-9 Laurate	Liquid	An O/W emulsifier, surfactant and coupling agent.	13.1
HETOXAMATE ML-14	PEG-14 Laurate	Soft Solid	An O/W emulsifier, surfactant and coupling agent.	14.9
HETOXAMATE MO-5	PEG-5 Oleate	Liquid	An emulsifier, surfactant and coupling agent.	8.1
HETOXAMATE MO-9	PEG-9 Oleate	Liquid	An O/W emulsifier, surfactant, and coupling agent.	11.7
HETOXAMATE MO-14	PEG-14 Oleate	Liquid	An O/W emulsifier, surfactant and coupling agent.	13.5
HETOXAMATE MS-8	PEG-8 Stearate	Solid	An emulsifier, surfactant and coupling agent.	11.4
HETOXAMATE MS-14	PEG-14 Stearate	Solid	A humectant, solubilizer, surfactant, and coupling agent.	13.8



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Polyoxylated derivatives of lauric, oleic, or stearic acid are emulsifiers, humectants, and coupling agents. They are hydrophilic and soluble or dispersible in water.

PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETOXAMATE MS-23	PEG-23 Stearate	Solid	A humectant, solubilizer, surfactant, and coupling agent.	15.6
HETOXAMATE SA-100	PEG-100 Stearate	Flake	A humectant, solubilizer, surfactant, viscosity booster, and coupling agent.	18.0
HETOXAMATE 6000 DB	PEG-150 Dibehenate	Solid	Excellent viscosity builder for aqueous and aqueous- alcoholic systems. A naturally derived building block for gel formulations. A 5% solution forms a gel. Provides moisturization in skin care products and conditioning in ethnic hair care products.	18.2
HETOXAMATE 6000 DS	PEG-150 Distearate	Solid	An emulsifier and viscosity booster.	18.4
HETOXAMATE 6000 DS SPECIAL	PEG-150 Distearate	Solid	An emulsifier and viscosity builder that provides improved viscosity building reducing use levels up to 50%.	18.4
HETOXAMATE TO-8	PEG-8 Tallate	Liquid	A surfactant and emulsifying agent.	9.8
HETOXAMATE TO-16	PEG-16 Tallate	Liquid	A surfactant and emulsifying agent.	13.4

Polyoxylated Specialties



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Polyoxylated derivatives of castor oil and hydrogenated castor oil are used as emulsifiers, solubilizers, and conditioners. They are stable over a broad pH range.

PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETOXIDE C-5	PEG-5 Castor Oil	Liquid	An antistat, conditioner, emulsifier and surfactant.	4.0
HETOXIDE C-16	PEG-16 Castor Oil	Liquid	An emulsifier and surfactant.	8.6
HETOXIDE C-25	PEG-25 Castor Oil	Liquid	An O/W emulsifier and surfactant.	10.8
HETOXIDE C-30	PEG-30 Castor Oil	Liquid	An O/W emulsifier and surfactant.	11.8
HETOXIDE C-36	PEG-36 Castor Oil	Liquid	An O/W emulsifier, surfactant and solubilizer.	12.6
HETOXIDE C-40	PEG-40 Castor Oil	Liquid	An O/W emulsifier, surfactant and solubilizer.	13.0
HETOXIDE C-81	PEG-81 Castor Oil	Liquid	A humectant and solubilizer.	15.9
HETOXIDE C-200	PEG-200 Castor Oil	Solid	A humectant and solubilizer.	18.1
HETOXIDE C-200-50%	PEG-200 Castor Oil	Liquid	An aqueous solution of HETOXIDE C-200.	18.1
HETOXIDE EG-400	PEG-8	Liquid	A humectant and solvent.	7
HETOXIDE G-7	Glycereth-7	Liquid	An antistat, conditioner, humectant, and viscosity depressant.	15.4
HETOXIDE G-26	Glycereth-26	Liquid	An antistat, conditioner, humectant, and viscosity depressant.	18.4
HETOXIDE HC-5	PEG-5 Hydrogenated Castor Oil	Liquid	An antistat, conditioner, emulsifier and surfactant.	10.8
HETOXIDE HC-16	PEG-16 Hydrogenated Castor Oil	Liquid	An emulsifier and surfactant.	8.6
HETOXIDE HC-25	PEG-25 Hydrogenated Castor Oil	Liquid	An emulsifier, surfactant and solubilizer.	10.8
HETOXIDE HC-40	PEG-40 Hydrogenated Castor Oil	Semi-solid	An O/W emulsifier, surfactant and solubilizer.	13.1

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PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETOXIDE HC-60	PEG-60 Hydrogenated Castor Oil	Solid	An O/W emulsifier, surfactant and solubilizer.	14.8
HETOXIDE HC-200-50%	PEG-200 Hydrogenated Castor Oil (50%)	Liquid	An aqueous solution of HETOXIDE HC-200.	18.1
HETOXIDE MG-10	Methyl Gluceth-10	Viscous Liquid	A humectant and surfactant.	
HETOXIDE MG-20	Methyl Gluceth-20	Liquid	A humectant and surfactant.	

Self-Emulsifying Waxes



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Nonionic and cationic self-emulsifying bases to simplify formulations. These deliver body and opacity to the emulsions and are stable over a broad pH range.

PRODUCT	INCI NAME	FORM	PROPERTIES	USE LEVEL
GLOQUAT BQ	Behentrimonium Methosulfate (and) Cetearyl Alcohol	Flake	A cationic self-emulsifier and conditioner. It is ideal for systems that are difficult to emulsify such as silicones and can be used alone as the sole emulsifier. Because it is cationic it is substantive to hair and skin. In hair care it delivers excellent conditioning and improves wet and dry combing. In skin care it delivers a soft elegant after feel and in rinse off products it facilitates deposition of other non-ionic conditioners and moisturizers. Use levels vary with application but are generally from 1–10%. Where used as the sole emulsifier concentrations of 5% or more may be appropriate. Where used in combination with other emulsifiers, concentrations of 1–5% or less may be appropriate. In conditioners use levels of 2–8% or more may be appropriate. Conditioners can be made simply heating 5–10% Gloquat BQ in water to 80° C. For silicones such as cyclomethicone or dimethicone use levels required vary with application from about 5/1 to about 10/1 silicone/Gloquat BQ.	1-15%
 GLOQUAT BQ				
HETOXOL C	Cetearyl Alcohol & Steareth-20 & Steareth-10	Flake	A nonionic emulsifier for creams and lotions.	2-15%
HETOXOL D	Cetearyl Alcohol & Cetareth-20	Flake	A nonionic emulsion stabilizer effective at pH extremes, high electrolyte levels. It is ideal for use in antiperspirants, relaxers and cold waves.	2-15%
HETOXOL G	Stearyl Alcohol & Cetareth-20	Flake	A nonionic emulsifier that offers more viscous emulsions and more opacity than Hetoxol D and Hetoxol J.	2-10%
HETOXOL J	Cetearyl Alcohol & Steareth-30 & Ceteth-10	Flake	A nonionic emulsion stabilizer effective at pH extremes, high electrolyte levels. It is ideal for use in antiperspirants, relaxers and cold waves.	2-15%
HETOXOL P	Emulsifying Wax N.F.	Flake	A nonionic emulsifier for creams, lotions and hair relaxers. It produces stable emulsions at pH 13.	2-15%

Sorbitan Esters



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Nonionic, lipophilic surfactants typically used for W/O emulsions. Generally they are water-insoluble, yet water-dispersible and soluble in most organic solvents.

PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETAN SL	Sorbitan Laurate	Liquid	An emulsifier with a recommended usage level of 0.5-5%.	8.6
HETAN SO	Sorbitan Oleate	Liquid	A W/O emulsifier and pigment dispersing aid in lipsticks with a recommended usage level of 0.5-5%.	4.3
HETAN SS	Sorbitan Stearate	Flake	A W/O emulsifier in creams and lotions with a recommended usage level of 0.5-5%.	4.7

Lanolin Specialties



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Lanolin is a sebum-like product collected from washing sheep wool. It behaves as an emollient and humectant for the skin.

PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETLAN AC	Cetyl Acetate & Acetylated Lanolin Alcohol	Liquid	An emollient that enhances the feel of creams and lotions. We recommend a usage level of 0.5-5%.	14.0
HETOXALAN 75	PEG-75 Lanolin	Solid	An antistat, conditioner that improves combing, emollient, surfactant, and solubilizer. It is ideal for use in detergent bases and skin cleaners. We recommend a usage level of 1-10%.	15.0
HETOXALAN 75-50%	PEG-75 Lanolin (50%)	Liquid	An antistat, conditioner that improves combing, emollient, surfactant, and solubilizer. It is ideal for use in detergent bases and skin cleaners. We recommend a usage level of 1-10%.	16.0

Ethoxylated Sorbitan Esters



GLOBAL SEVEN

6 Park Drive P.O. Box 367 • Franklin, NJ 07416

Phone: 973-209-7474 • Fax: 973-209-6108

www.globalseven.com

Nonionic surfactants for O/W emulsions or with a sorbitan ester for W/O emulsions. Also very effective for dispersion or solubilization of oils.

PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETSORB L-20 E	Polysorbate 20	Liquid	An O/W emulsifier and solubilizer with a recommended usage level of 0.5-5%.	16.7
HETSORB O-5 E	Polysorbate 81	Liquid	An O/W emulsifier and solubilizer with a recommended usage level of 0.5-5%.	10.0
HETSORB O-20 E	Polysorbate 80	Liquid	Good O/W emulsifier for waxes and silicones. It is also an excellent dispersant and solubilizer for conditioners, cleansers and lotions. We recommend a usage level of 0.5-5%.	15.0
HETSORB S-4	Polysorbate 61	Semi-solid	An emulsifier and surfactant.	9.6
HETSORB S-20 E	Polysorbate 60	Gel	An O/W emulsifier with good stability with fatty alcohols. Ideal for skin cleansers, shaving products and gels. We recommend a usage level of 0.5-5%.	14.9
HETSORB TO-20E	Polysorbate-85	Solid	An emulsifier and surfactant.	11.1
SOLUBILIZER PF	Polysorbate 20 and PEG-40 Castor Oil	Liquid	A low odor solubilizer for perfumes and fragrances.	15.5

Polyoxylated Fatty Amines



6 Park Drive P.O. Box 367 • Franklin, NJ 07416
Phone: 973-209-7474 • Fax: 973-209-6108
www.globalseven.com

The reaction of fatty primary amines with ethylene oxide creates a unique family of compounds. The compounds vary in polarity depending upon the polyoxyethylene chain length.

PRODUCT	INCI NAME	FORM	PROPERTIES	HLB
HETOXAMINE CAM-2	PEG-2 Cocamine	Liquid	An antistat, conditioner, emollient and surfactant.	6.0
HETOXAMINE CAM-5	PEG-5 Cocamine	Liquid	A conditioner, emollient and surfactant.	10.3
HETOXAMINE CAM-15	PEG-15 Cocamine	Liquid	An emollient and surfactant.	15.2
HETOXAMINE OAM-2	PEG-2 Oleamine	Liquid	An antistat, conditioner, emollient and surfactant.	5.5
HETOXAMINE OAM-30	PEG-30 Oleamine	Liquid	An emollient and surfactant.	
HETOXAMINE SAM-2	PEG-2 Soyamine	Soft Solid	An antistat, conditioner, emollient and surfactant.	
HETOXAMINE SAM-10	PEG-10 Soyamine	Soft Solid	A conditioner, emollient and surfactant.	
HETOXAMINE SAM-50	PEG-50 Soyamine	Solid	A solubilizer and surfactant.	

Alkanolamides



6 Park Drive P.O. Box 367 • Franklin, NJ 07416
Phone: 973-209-7474 • Fax: 973-209-6108
www.globalseven.com

Nonionic secondary emulsifiers typically used with anionics to increase viscosity and stabilize foam.

PRODUCT	INCI NAME	FORM	PROPERTIES
HETOXAMIDE C-4	PEG-5 Cocamide	Liquid	An emulsifier, foam stabilizer, and surfactant. It also increases foam volume.

Cationics & Conditioners



GLOBAL SEVEN

6 Park Drive P.O. Box 367 • Franklin, NJ 07416

Phone: 973-209-7474 • Fax: 973-209-6108

www.globalseven.com

Conditioner and cationic self-emulsifier. Excellent conditioning and substantive to hair and skin.

PRODUCT

GLOQUAT BQ

INCI NAME

Behentrimonium
Methosulfate (and)
Cetearyl Alcohol

FORM

Flake

PROPERTIES

A cationic self-emulsifier and conditioner. It is ideal for systems that are difficult to emulsify such as silicones and can be used alone as the sole emulsifier. Because it is cationic it is substantive to hair and skin. In hair care it delivers excellent conditioning and improves wet and dry combing. In skin care it delivers a soft elegant after feel and in rinse off products it facilitates deposition of other nonionic conditioners and moisturizers. Use levels vary with application but are generally from 1–10%. Where used as the sole emulsifier concentrations of 5% or more may be appropriate. Where used in combination with other emulsifiers, concentrations of 1–5% or less may be appropriate. In conditioners use levels of 2–8% or more may be appropriate. Conditioners can be made simply heating 5–10% Gloquat BQ in water to 80° C. For silicones such as cyclomethicone or dimethicone use levels required vary with application from about 5/1 to about 10/1 silicone/Gloquat BQ.



This two-part index provides domestic and international registration information including CAS, EINECS, CLS for Quasi Drugs in Japan and DSL Canada. Items listed as Exempt under EINECS are polymer excluded. Items listed on DSL are acceptable for use in Canada. Items listed as Trans under DSL can be used in Canada in FDA regulated products only. Items listed as NDSL under DSL are not on DSL but may be acceptable and should be determined individually. INCI nomenclature is also provided for each Global Seven product appearing in the Product Guide. In the first part, ingredients are listed alphabetically by Global Seven Trade Name, followed by the INCI name and registry information. In the second part, they are listed alphabetically by the INCI name. The INCI names listed herein are suitable for cosmetic labeling purposes.

PART1 – REGISTRY NUMBERS (TRADE NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
GLOBAL 4075	Glyceryl Isostearate (and) Caprylic/Capric Glycerides	61332-02-3/ 66085-00-5, 85409-09-2	262-710-9/ 266-124-4, 287-075-5		
GLOQUAT BQ	Behentrimonium Methosulfate (and) Cetearyl Alcohol	81646-13-1, 8005-44-5/ 67762-27-0	279-791-1, 267-008-6	Yes	
HEST 25B	C12-15 Alkyl Benzoate	68411-27-8	270-112-4	Yes	512004
HEST BB	Behenyl Behenate	17671-27-1	241-646-5	Trans	
HEST G-18-O	Glycereth-18 Ethylhexanoate (and) Glycereth-18	827307-68-6 31694-55-0	Exempt	No	
HEST GTO	Triethylhexanoin	7360-38-5	230-896-0	Trans	
HEST HVB	PEG-175 Diisostearate	68958-56-5	Exempt	No	
HEST HVB Liquid	PEG-175 Diisostearate (and) Glycereth-7 Caprylate/Caprates/ Cocoate (and) Water	68958-56-5, NA, 231-791-2	Exempt Exempt	No	
HEST IS-3-O	Isosteareth-3 Ethylhexanoate		Exempt	No	



PART1 – REGISTRY NUMBERS (TRADE NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HEST ODIS	Octyldodecyl Isostearate	93803-87-3	296-361-4	No	523008
HEST ODS	Octyldodecyl Stearate	22766-82-1	245-204-2	Yes	
HEST P-4IS	Pentaerythrityl Tetraisostearate	62125-22-8	263-423-1	Trans	520782
HEST P-4-O	Pentaerythrityl Tetraethylhexanoate	7299-99-2	230-743-8	NDSL	520784
HEST TC	Tricaprylin	538-23-8	208-686-5	Yes	505117
HEST TDS	Tridecyl Stearate	31556-45-3	250-696-7	Yes	
HEST T-3IS	Trimethylolpropane Triisostearate	68541-50-4	271-347-5	Yes	503098
HEST 2T-4IS	Ditrimethylolpropane Tetraisostearate			No	
HEST 2T-4S	Ditrimethylolpropane Tetrastearate	220208-71-9			
HEST 2T5E-4HS	PEG-5 Ditrimethylolpropane Tetrahydroxystearate		Exempt		
HETAN SL	Sorbitan Laurate	1338-39-2	215-663-3	Yes	5802
HETAN SO	Sorbitan Oleate	1338-43-8	215-665-4	Yes	106815
HETAN SS	Sorbitan Stearate	1338-41-6	215-664-9	Yes	102109
HETLAN AC	Cetyl Acetate & Acetylated Lanolin Alcohol	629-70-9 61788-49-6	211-103-7 262-980-8	Yes	510035 501056
HETOXALAN 75	PEG-75 Lanolin	8039-09-6	Exempt	Yes	105365



PART1 – REGISTRY NUMBERS (TRADE NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXAMATE 6000 DS	PEG-150 Distearate	9005-08-7	Exempt	Yes	523116
HETOXAMATE 6000 DS Special	PEG-150 Distearate	9005-08-7	Exempt	Yes	523116
HETOXAMATE 6000 DB	PEG-150 Dibehenate		Exempt	No	
HETOXAMATE MI-9	PEG-9 Isostearate	56002-14-3(g)	Exempt	Yes	504043
HETOXAMATE MI-14	PEG-14 Isostearate	56002-14-3(g)	Exempt	Yes	504043
HETOXAMATE ML-5	PEG-5 Laurate	9004-81-3(g)	Exempt	Yes	109914
HETOXAMATE ML-9	PEG-9 Laurate	9004-81-3(g)	203-359-3	Yes	109914
HETOXAMATE ML-14	PEG-14 Laurate	9004-81-3(g)	Exempt	Yes	109914
HETOXAMATE MO-5	PEG-5 Oleate	9004-96-0(g)	Exempt	Yes	105299
HETOXAMATE MO-9	PEG-9 Oleate	9004-96-0(g)	Exempt	Yes	105299
HETOXAMATE MO-14	PEG-14 Oleate	9004-96-0(g)	Exempt	Yes	105299
HETOXAMATE MS-8	PEG-8 Stearate	9004-99-3(g)	Exempt	Yes	105300



PART1 – REGISTRY NUMBERS (TRADE NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXAMATE MS-14	PEG-14 Stearate	9004-99-3(g)	233-641-1	Yes	105300
HETOXAMATE MS-23	PEG-23 Stearate	9004-99-3(g)	Exempt	Yes	105300
HETOXAMATE SA-100	PEG-100 Stearate	9004-99-3(g)	Exempt	Yes	105300
HETOXAMATE TO-8	PEG-8 Tallate	61791-00-2(g)	Exempt	Yes	
HETOXAMATE TO-16	PEG-16 Tallate	61791-00-2(g)	Exempt	Yes	
HETOXAMIDE C-4	PEG-5 Cocamide	61791-08-0	Exempt	Yes	
HETOXAMINE CAM-2	PEG-2 Cocamine	61791-14-8(g)		Yes	521040
HETOXAMINE CAM-5	PEG-5 Cocamine	61791-14-8(g)	Exempt	Yes	
HETOXAMINE CAM-15	PEG-15 Cocamine	61791-14-8(g)	Exempt	Yes	
HETOXAMINE OAM-2	PEG-2 Oleamine	26635-93-8/ 25307-17-9	246-807-3	Yes	105384
HETOXAMINE OAM-30	PEG-30 Oleamine	26635-93-8	Exempt	Yes	105384
HETOXAMINE SAM-2	PEG-2 Soyamine	61791-24-0(g)		Yes	
HETOXAMINE SAM-10	PEG-10 Soyamine	61791-24-0(g)	Exempt	Yes	521019
HETOXAMINE SAM-50	PEG-50 Soyamine	61791-24-0(g)	Exempt	Yes	521019



PART1 – REGISTRY NUMBERS (TRADE NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXIDE C-5	PEG-5 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE C-16	PEG-16 Castor Oil	61791-12-6(g)	Exempt	Yes	
HETOXIDE C-25	PEG-25 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE C-30	PEG-30 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE C-36	PEG-36 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE C-40	PEG-40 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE C-81	PEG-81 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE C-200	PEG-200 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE C 200-50%	PEG-200 Castor Oil (50%)	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE EG-400	PEG-8	25322-68-3	225-856-4	Yes	110357
HETOXIDE HC-5	PEG-5 Hydrogenated Castor Oil	61788-85-0(g)	Exempt	No	105359
HETOXIDE HC-16	PEG-16 Hydrogenated Castor Oil	61788-85-0(g)	Exempt	No	105359
HETOXIDE HC-25	PEG-25 Hydrogenated Castor Oil	61788-85-0(g)	Exempt	No	105359
HETOXIDE HC-40	PEG-40 Hydrogenated Castor Oil	61788-85-0(g)	Exempt	Yes	105359
HETOXIDE HC-60	PEG-60 Hydrogenated Castor Oil	61788-85-0(g)	Exempt	Yes	105359
HETOXIDE HC-200-50%	PEG-200 Hydrogenated Castor Oil (50%)	61788-55-0(g)	Exempt	No	105359
HETOXIDE G-7	Glycereth-7	31694-55-0(g)	Exempt	Yes	
HETOXIDE G-26	Glycereth-26	31694-55-0(g)	Exempt	Yes	509103



PART1 – REGISTRY NUMBERS (TRADE NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXIDE MG-10	Methyl Gluceth-10	68239-42-9(g)	Exempt	YYes	503136
HETOXIDE MG-20	Methyl Gluceth-20	68239-42-9(g)	Exempt	Yes	503136
HETOXOL C 30P	PPG-30 Cetyl Ether	9035-85-2	Exempt	Yes	
HETOXOL CA-2	Ceteth-2	5274-61-3		No	8806
HETOXOL CA-20	Ceteth-20	9004-95-9	Exempt	Yes	8806
HETOXOL CAWS	PPG-5 Ceteth-20	9087-53-0	Exempt	Yes	
HETOXOL CS-3	Ceteareth-3	68439-49-6(g)	Exempt	Yes	501125
HETOXOL CS-20	Ceteareth-20	68439-49-6(g)	Exempt	Yes	501125
HETOXOL CS-25	Ceteareth-25	68439-49-6(g)	Exempt	Yes	501125
HETOXOL CS-50	Ceteareth-50	68439-49-6(g)	Exempt	Yes	501125
HETOXOL C	Cetearyl Alcohol & Steareth-20 & Steareth-10	67762-27-0 9005-00-9	267-088-6 Exempt Exempt	Yes	
HETOXOL D	Cetearyl Alcohol & Ceteareth-20	67762-27-0 68439-49-6	267-088-6 Exempt	Yes	
HETOXOL DA-4	Deceth-4	5703-94-6	Exempt	Trans	
HETOXOL DA-6	Deceth-6	5168-89-8	Exempt	Trans	
HETOXOL DA-9	Deceth-9	26183-52-8	Exempt	Yes	
HETOXOL G	Stearyl Alcohol & Ceteareth-20	112-92-5 64439-49-6	204-017-6 Exempt	Yes	002219 501125



PART1 – REGISTRY NUMBERS (TRADE NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXOL I-10-P3-E1	PPG-3 Isodeceth-1	68603-25-8(g)	Exempt	Yes	
HETOXOL I-20-20	Octyldodeceth-20	26636-39-5(g)	Exempt	NDSL	502128
HEXTOXOL IS-2	Isosteareth-2	52292-17-8			
HETOXOL J	Cetearyl Alcohol & Steareth-30 & Ceteth-10	67762-27-0 9004-95-9 9005-00-9	267-088-6 Exempt Exempt	Yes	
HETOXOL LA-3	Laureth-3	3055-94-5	221-280-2	Trans	105370
HETOXOL LA-4	Laureth-4	5274-68-0	226-097-1	NDSL	105370
HETOXOL LA-7	Laureth-7	3065-97-8 9002-92-0(g)	221-283-9	Yes	105370
HETOXOL LA-9	Laureth-9	3055-99-0 9002-92-0(g)	221-286-4	Yes	105370
HETOXOL LA-12	Laureth-12	9002-92-0	221-286-5	Yes	105370
HETOXOL LA-12-80%	Laureth-12 (80%)	9002-92-0(g)	221-286-5	Yes	105370
HETOXOL LA-23	Laureth-23	9002-92-0(g)	Exempt	Yes	105370
HETOXOL LA-50	Laureth-50	9002-92-0(g)	Exempt	Yes	105370
HETOXOL OA-5	Oleth-5	5353-27-5	Exempt	No	105385
HETOXOL OA-10	Oleth-10	24871-34-9	Exempt	Trans	105385
HETOXOL OA-23-70%	Oleth-23(70%)	9004-98-2(g)	Exempt	Yes	105385
HETOXOL OA-35	Oleth-35	9004-98-2(g)	Exempt	Yes	105385



PART1 – REGISTRY NUMBERS (TRADE NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXOL P	Emulsifying Wax N.F.	8005-44-5	267-088-6 Exempt	No	
HETOXOL SP-15	PPG-15 Stearyl Ether	25231-21-4	Exempt	Yes	521058
HETOXOL STA-2	Steareth-2	9005-00-9(g)		Yes	105420
HETOXOL STA-10	Steareth-10	9005-00-9(g)	Exempt	Yes	105420
HETOXOL STA-100	Steareth-100	9005-00-9(g)	Exempt	Yes	
HETOXOL TD-3	Trideceth-3	4403-12-7	224-540-3	Trans	505163
HETOXOL TD-6	Trideceth-6	24938-91-8(g)	Exempt	Yes	505163
HETOXOL TD-12	Trideceth-12	24938-91-8(g)	Exempt	Yes	505163
HETOXOL TDA-18	Trideceth-18	24938-91-8(g)	Exempt	Yes	505163
HETSORB L-20	Polysorbate 20	9005-64-5	Exempt	Yes	109477
HETSORB O-20	Polysorbate 80	9005-65-6(g)	Exempt	Yes	105409
HETSORB O-5	Polysorbate 81	9005-65-6(g)	Exempt	Yes	109147
HETSORB S-20	Polysorbate 60	9005-67-8(g)	Exempt	Yes	
HETSORB S-4	Polysorbate 61	9005-67-8(g)	Exempt	Yes	
HETSORB TO-20 E	Polysorbate 85	9005-70-3	Exempt	Yes	108413
SOLUBILIZER PF	Polysorbate-20 and PEG-40 Castor Oil	9005-64-5(g) 61791-12-6(g)	Exempt Exempt	Yes	



PART2 – REGISTRY NUMBERS (INCI NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
GLOQUAT BQ	Behentrimonium Methosulfate (and) Cetearyl Alcohol	81646-13-1, 8005-44-5/ 67762-27-0	279-791-1, 267-008-6	Yes	
HEST BB	Behenyl Behenate	17671-27-1	241-646-5	Trans	512004
HEST 25B	C12-15 Alkyl Benzoate	68411-27-8	270-112-4	Yes	501125
HETOXOL CS-3	Ceteareth-3	68439-49-6(g)	Exempt	Yes	501125
HETOXOL CS-20	Ceteareth-20	68439-49-6(g)	Exempt	Yes	501125
HETOXOL CS-25	Ceteareth-25	68439-49-6(g)	Exempt	Yes	501125
HETOXOL CS-50	Ceteareth-50	68439-49-6(g)	Exempt	Yes	
HETOXOL C	Cetearyl Alcohol & Steareth-20 & Steareth-10	67762-27-0 9005-00-9		Yes	
HETOXOL D	Cetearyl Alcohol & Ceteareth-20	67762-27-0 68439-49-6	267-088-6	Yes	
HETOXOL J	Cetearyl Alcohol & Steareth-30 & Ceteth-10	67762-27-0 9004-95-9 9005-00-9	267-088-6 Exempt Exempt	Yes	
HETOXOL CA-2	Ceteth-2	5274-61-3		No	8806
HETOXOL CA-20	Ceteth-20	9004-95-9	Exempt	Yes	8806
HETLAN AC	Cetyl Acetate & Acetylated Lanolin Alcohol	629-70-9 61788-49-6	211-103-7 262-980-8	Yes	510035 501056
HETOXOL DA-4	Deceth-4	5703-94-6	Exempt	Trans	
HETOXOL DA-6	Deceth-6	5168-89-8	Exempt	Trans	
HETOXOL DA-9	Deceth-9	26183-52-8	Exempt	Yes	
HEST 2T-4IS	Ditrimethylpropane Tetraisostearate			No	
HEST 2T-4S	Ditrimethylpropane Tetrastearate	220208-71-9			



PART2 – REGISTRY NUMBERS (INCI NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXOL P	Emulsifying Wax N.F.	8005-44-5	267-088-6 Exempt	No	
HEST G-18-O	Glycereth-18 Ethylhexanoate (and) Glycereth18	827307-68-6 31694-55-0	Exempt	No	
HETOXIDE G-7	Glycereth-7	31694-55-0(g)	Exempt	Yes	
HETOXIDE G-26	Glycereth-26	31694-55-0(g)	Exempt	Yes	509103
GLOBAL 4075	Glyceryl Isostearate (and) Caprylic/Capric Glycerides	61332-02-3/ 66085-00-5, 85409-09-2	262-710-9/ 266-124-4, 287-075-5		
HETOXOL IS-2	Isosteareth-2	52292-17-8			
HEST IS-3-O	Isosteareth-3 Ethylhexanoate		Exempt	No	
HETOXOL LA-3	Laureth-3	3055-94-5	221-280-2	Trans	105370
HETOXOL LA-4	Laureth-4	5274-68-0	226-097-1	NDSL	105370
HETOXOL LA-7	Laureth-7	3065-97-8 9002-92-0(g)	221-283-9	Yes	105370
HETOXOL LA-9	Laureth-9	3055-99-0 9002-92-0(g)	221-286-4	Yes	105370
HETOXOL LA-12	Laureth-12	9002-92-0(g)	221-286-5	Yes	105370
HETOXOL LA-12-80%	Laureth-12 (80%)	9002-92-0(g)	221-286-5	Yes	105370
HETOXOL LA-23	Laureth-23	9002-92-0(g)	Exempt	Yes	105370
HETOXOL LA-50	Laureth-50	9002-92-0(g)	Exempt	Yes	105370
HETOXIDE MG-10	Methyl Gluceth-10	68239-42-9(g)	Exempt	Yes	503136



PART2 – REGISTRY NUMBERS (INCI NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXIDE MG-20	Methyl Gluceth-20	68239-42-9(g)	Exempt	Yes	503136
HETOXOL I-20-20	Octyldodeceth-20	26636-39-5(g)	Exempt	NDSL	502128
HEST ODIS	Octyldodecyl Isostearate	93803-87-3	296-361-4	No	523008
HEST ODS	Octyldodecyl Stearate	22766-82-1	245-204-2	Yes	
HETOXOL OA-10	Oleth-10	24871-34-9	Exempt	No	105385
HETOXOL OA-23-70%	Oleth-23(70%)	9004-98-2(g)	Exempt	Yes	105385
HETOXOL OA-35	Oleth-35	9004-98-2(g)	Exempt	Yes	105385
HETOXOL OA-5	Oleth-5	5353-27-5	Exempt	No	105385
HETOXAMINE SAM-10	PEG-10 Soyamine	61791-24-0(g)	Exempt	Yes	
HETOXAMATE SA-100	PEG-100 Stearate	9004-99-3(g)	Exempt	Yes	105300
HETOXAMATE MI-14	PEG-14 Isostearate	56002-14-3(g)	Exempt	Yes	504043
HETOXAMATE ML-14	PEG-14 Laurate	9004-81-3(g)	Exempt	Yes	109914
HETOXAMATE MO-14	PEG-14 Oleate	9004-96-0(g)	Exempt	Yes	105299
HETOXAMATE MS-14	PEG-14 Stearate	9004-99-3(g)	233-641-1	Yes	105300
HETOXAMINE CAM-15	PEG-15 Cocamine	61791-14-8(g)	Exempt	Yes	
HETOXAMATE 6000 DB	PEG-150 Dibehenate		Exempt	No	
HETOXAMATE 6000 DS	PEG-150 Distearate	9005-08-7	Exempt	Yes	523116

PART2 – REGISTRY NUMBERS (INCI NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXAMATE 6000 DS Special	PEG-150 Distearate	9005-08-7	Exempt	Yes	523116
HETOXIDE HC-16	PEG-16 Hydrogenated Castor Oil	61788-55-0(g)	Exempt	No	105359
HETOXIDE C-16	PEG-16 Castor Oil	61791-12-6(g)	Exempt	Yes	
HETOXAMATE TO-16	PEG-16 Tallate	61791-00-2(g)	Exempt	Yes	
HEST HVB	PEG-175 Diisostearate	68958-56-5	Exempt	No	
HEST HVB Liquid	PEG-175 Diisostearate (and) Glycereth-7 Caprylate/Caprates/ Cocoate (and) Water	68958-56-5, NA, 231-791-2	Exempt Exempt 7732-18-5	No	
HETOXAMINE CAM-2	PEG-2 Cocamine	61791-14-8(g)		Yes	521040
HETOXAMINE OAM-2	PEG-2 Oleamine	26635-93-8/ 25307-17-9	246-807-3	Yes	105384
HETOXAMINE SAM-2	PEG-2 Soyamine	61791-24-0(g)		Yes	
HETOXIDE C-200	PEG-200 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE C-200-50%	PEG-200 Castor Oil (50%)	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE HC-200-50%	PEG-200 Hydrogenated Castor Oil (50%)	61788-55-0(g)	Exempt	No	105359
HETOXAMATE MS-23	PEG-23 Stearate	9004-99-3(g)	Exempt	Yes	105300
HETOXIDE C-25	PEG-25 Castor Oil	61791-12-6(g)	Exempt	Yes	105340



PART2 – REGISTRY NUMBERS (INCI NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXIDE HC-25	PEG-25 Hydrogenated Castor Oil	61788-55-0(g)	Exempt	No	105359
HETOXIDE C-30	PEG-30 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXAMINE OAM-30	PEG-30 Oleamine	26635-93-8	Exempt	Yes	105384
HETOXIDE C-36	PEG-36 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE C-40	PEG-40 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXIDE HC-40	PEG-40 Hydrogenated Castor Oil	61788-85-0(g)	Exempt	Yes	105359
HETOXIDE C-5	PEG-5 Castor Oil	61791-12-6(g)	Exempt	Yes	105340
HETOXAMIDE C-4	PEG-5 Cocamide	61791-08-0	Exempt	Yes	
HEST 2T5E-4HS	PEG-5 Ditrimehylopropane Tetrahydroxystearate		Exempt		
HETOXAMINE CAM-5	PEG-5 Cocamine	61791-14-8(g)	Exempt	Yes	
HETOXIDE HC-5	PEG-5 Hydrogenated Castor Oil	61788-55-0(g)	Exempt	No	105359
HETOXAMATE ML-5	PEG-5 Laurate	9004-81-3(g)	Exempt	Yes	109914
HETOXAMATE MO-5	PEG-5 Oleate	9004-96-0(g)	Exempt	Yes	105299
HETOXAMINE SAM-50	PEG-50 Soyamine	61791-24-0(g)	Exempt	Yes	
HETOXIDE HC-60	PEG-60 Hydrogenated Castor Oil	61788-85-0(g)	Exempt	Yes	105359
HETOXALAN 75	PEG-75 Lanolin	8039-09-6	Exempt	Yes	105365
HETOXIDE EG-400	PEG-8	25322-68-3	225-856-4	Yes	110357
HETOXAMATE TO-8	PEG-8 Tallate	61791-00-2(g)	Exempt	Yes	



PART2 – REGISTRY NUMBERS (INCI NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXAMATE MS-8	PEG-8 Stearate	9004-99-3(g)	Exempt	Yes	105300
HETOXIDE C-81	PEG-81 Castor Oil	661791-12-6(g)	Exempt	Yes	105340
HETOXAMATE MI-9	PEG-9 Isostearate	56002-14-3(g)	Exempt	Yes	504043
HETOXAMATE ML-9	PEG-9 Laurate	9004-81-3(g)	203-359-3	Yes	
HETOXAMATE MO-9	PEG-9 Oleate	9004-96-0(g)	Exempt	Yes	105299
HEST P-4IS	Pentaerythrityl Tetraistearate	62125-22-8	263-423-1	Trans	520782
HEST P-4-O	Pentaerythrityl Tetraethylhexanoate	7299-992	230-743-8	NDSL	520784
HETSORB L-20	Polysorbate 20	9005-64-5	Exempt	Yes	109477
HETSORB S-20	Polysorbate 60	9005-67-8(g)	Exempt	Yes	109147
HETSORB S-4	Polysorbate 61	9005-67-8(g)	Exempt	Yes	
HETSORB O-20	Polysorbate 80	9005-65-6(g)	Exempt	Yes	105409
HETSORB O-5	Polysorbate 81	9005-65-6(g)	Exempt	Yes	
HETSORB TO-20E	Polysorbate 85	9005-70-3	Exempt	Yes	108413
SOLUBILIZER PF	Polysorbate-20 and PEG-40 Castor Oil	9005-64-5(g) 61791-12-6(g)	Exempt Exempt	Yes	
HETOXOL SP-15	PPG-15 Stearyl Ether	25231-21-4	Exempt	Yes	521058
HETOXOL I-10-P3-E1	PPG-3 Isodeceth-1	68603-25-8(g)	Exempt	Yes	
HETOXOL C 30P	PPG-30 Cetyl Ether	9035-85-2	Exempt	Yes	



PART2 – REGISTRY NUMBERS (INCI NAME ALPHABETICAL)

PRODUCT	INCI NAME	CAS NUMBER	EINECS NUMBER	CANADA DSL	JCLS NUMBER
HETOXOL CAWS	PPG-5 Ceteth-20	9087-53-0	Exempt	Yes	
HETAN SL	Sorbitan Laurate	1338-39-2	215-663-3	Yes	5802
HETAN SO	Sorbitan Oleate	1338-43-8	215-665-4	Yes	106815
HETAN SS	Sorbitan Stearate	1338-41-6	215-664-9	Yes	102109
HETOXOL STA-10	Steareth-10	9005-00-9(g)	Exempt	Yes	105420
HETOXOL STA-100	Steareth-100	9005-00-9(g)	Exempt	Yes	
HETOXOL STA-2	Steareth-2	9005-00-9(g)		Yes	105420
HETOXOL G	Stearyl Alcohol & Cetareth-20	112-92-5 64439-49-6	204-017-6	Yes	002219 501125
HEST TC	Tricaprylin	538-23-8	208-686-5	Yes	505117
HETOXOL TD-3	Trideceth-3	4403-12-7	224-540-3	Trans	505163
HETOXOL TD-6	Trideceth-6	24938-91-8(g)	Exempt	Yes	505163
HETOXOL TD-12	Trideceth-12	24938-91-8(g)	Exempt	Yes	505163
HETOXOL TDA-18	Trideceth-18	24938-91-8(g)	Exempt	Yes	505163
HEST TDS	Tridecyl Stearate	31556-45-3	250-696-7	Yes	
HEST GTO	Triethylhexanoin	7360-38-5	230-896-0	Trans	
HEST T-3IS	Trimethylolpropane Triisostearate	68541-50-4	271-347-5	Yes	520818