

*Classic*  
SURFACTANTS



**Product  
Catalog**

# *Classic* **Surfactants**

## **Service and Quality Brought Together**

Classic Distributing has been selling surfactants for over 30 years! We have expanded our relationship with multiple toll manufacturers. This allows us to control pricing, quality, and consistency under our own brand. Now all of the high quality surfactants are made to our specifications to insure performance in the market place.

We will continue to offer all of the services you have grown to expect from Classic Distributing including formulation knowledge and proprietary blend formulation. We also have capabilities with natural and non alcohol sulfate surfactant technologies that we have added in response to market demand.

If you have special formulating requirements, just ask!

# Cosmetic Products

## AMIDES

Classic CE  
Classic KD  
Classic LSM  
Classic CME  
Classic SD  
Classic B-MIPA  
Classic DIPA

## INCI DESCRIPTION

Cocamide DEA  
Cocamide DEA  
Lauramide DEA (liquid)  
Cocamide MEA (flake)  
Soyamide DEA  
Cocamide MIPA/Cocamidopropyl Betaine  
Cocamide DIPA

## ALKYL ETHER SULFATES

Classic ES-2K  
Classic ES-60  
Classic ES-70

## INCI DESCRIPTION

Sodium Laureth Sulfate  
Sodium Laureth Sulfate  
Sodium Laureth Sulfate (2 mole)

## ALKYL SULFATES

Classic ALS  
Classic TLS  
Classic SLS  
Classic SLN-95

## INCI DESCRIPTION

Ammonium Lauryl Sulfate  
TEA-Lauryl Sulfate  
Sodium Lauryl Sulfate  
Sodium Lauryl Sulfate Crystals

## AMINE OXIDES

Classic CAW  
Classic LO

## INCI DESCRIPTION

Cocamidopropylamine Oxide  
Lauramine Oxide

## AMPHOTERICS

Classic DCA

## INCI DESCRIPTION

Disodium Coco Amphodiacetate

## BETAINES

Classic CAS  
Classicbetaine C  
Classic LDB

## INCI DESCRIPTION

Cocamidopropyl Hydroxysultaine  
Cocamidopropyl Betaine  
Lauryl Betaine

## BLENDS

Classic Blend PDLK  
Classic Blend NAS  
Classic Blend NAS-Ultra  
Classic BC-24K  
Classic Blend WFM  
Classic Blend AEG  
  
Classic Blend DEV  
  
Classic Blend LSB  
  
Classic Blend 100  
Classic Blend 103

## DESCRIPTION

Anionic/nonionic amphoteric blend  
Alcohol sulfate free blend  
Alcohol sulfate free blend  
Cocamide MEA/Cocamidopropyl Betaine  
Whole Foods Market Approved Blend  
Ammonium Lauryl Sulfate/Ammonium Laureth Sulfate/Cocoamide MEA/Cocoamidopropyl Betaine  
Sodium Laureth Sulfate/Cocoamide MEA/Cocoamidopropyl Betaine  
Disodium Laureth Sulfosuccinate/Sodium Lauryl Sulfoacetate  
  
Sodium Laureth Sulfate/Triethanolamine Lauryl Sulfate/Cocamidopropyl Betaine/Cocamide MEA  
Sodium Laureth Sulfate/Cocamidopropyl Betaine/Decyl Glucoside

## FATTY ACID ESTERS

Classic EGMS

## INCI DESCRIPTION

Glycol Monostearate

## GLYCINATES

Classic SCG

## INCI DESCRIPTION

Sodium N-cocyl Glycinate

**INDUSTRIAL AMIDES**

Classic 428  
Classic 1248

**DESCRIPTION**

Modified Coco Diethanolamide  
Complex Fatty Amido Phosphate

**LOW FOAMING SURFACTANTS**

Classic PL-61  
Classic PL-62LF  
Classic LF-17

**DESCRIPTION**

Alyoxylated Linear Alcohol-Low Foam  
Alkoxy Linear Alcohol  
Alkoxyated Linear Alcohol

**PEARLIZING AGENT**

Classic Pearl  
Classic Pearl-H

**INCI DESCRIPTION**

Sodium Laureth Sulfate/Glycol Distearate/Cocomide MIPA  
Sodium Laureth Sulfate/Glycol Distearate/Cocomide MEA

**POLYGLUCOSIDES**

Classic DG  
Classic LG  
Classic CG

**INCI DESCRIPTION**

Decyl Glucosides  
Lauryl Glucoside  
Coco Glucoside

**RAINFOREST SURFACTANTS**

Classic 500  
Classic 475  
Classic 170  
Classic Blend SLB

**INCI DESCRIPTION**

Palm Kernel Amidopropyl Betaine  
Palm Kernel Amidopropyl Oxide  
40% Palm Kernalate  
Sustainable Lasting Beauty Shampoo/Body Wash  
Concentrate

**SARCOSINATES**

Classic L-30

**INCI DESCRIPTION**

Sodium Lauroyl Sarcosinate 30%

**SOAPS**

Castile Soap

**DESCRIPTION**

40% Coconut Oil Soap.Potassium Cocoate

**SULFATES**

Classic SCS

**INCI DESCRIPTION**

Sodium Coco-Sulfate

**SULFONATES**

Classic AOS

**DESCRIPTION**

Sodium C14-16 Alpha Olefin Sulfonate

**SULFOSUCCINATES**

Classic DSLS

**INCI DESCRIPTION**

Disodium Laureth Sulfosuccinate



## TECHNICAL BULLETIN

### CLASSIC CE

INCI Name:

Cocamide DEA

CAS Number:

0068603-42-9

### SPECIFICATIONS:

Activity %:	100.00
Appearance @ 25°C	Viscous liquid
Free Amine, (% as DEA):	8.0 max.
Color, Gardner:	4 max.
pH (1%):	9-11
Specific Gravity, (25°C):	1.00
Density, lbs/gal:	8.34

Product available in bulk and 55 gallon drums

### SUGGESTED APPLICATIONS:

Classic CE is an all purpose, economical thickener and viscosity builder for cosmetic surfactant systems. It stabilizes foam in shampoos, cleansers, and bubble baths.



## TECHNICAL BULLETIN

### CLASSIC KD

INCI Name:

Cocamide DEA

CAS Number:

0068603-42-9

SPECIFICATIONS:

Appearance	Amber liquid
pH (1% aq)	9.0-10.5
Free Amine (as DEA), %	5.0 Max
Acid Value	0.2 Max
Amide, wt %	90 Min
Color, Gardner	2 Max
Specific Gravity, (25° C)	0.97
Density, lbs/gal	8.09

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic KD is the amide of choice in ethoxy sulfate systems. It yields high, stable viscosities at low concentrations. Excellent foaming stability. Used extensively for gelled shampoos, bath gels, liquid soaps and facial cleansers.



## TECHNICAL BULLETIN

### CLASSIC LSM

INCI Name:

Lauramide DEA

CAS Number:

0000120-40-1

SPECIFICATIONS:

Appearance @ 25°C	Amber liquid
Free Amine, (% as DEA):	7 max
Color, VCS:	4 max.
pH (2% aq.):	9.0-11.5
Specific Gravity:	0.98
Density, lbs/gal:	8.17

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic LSM is a high-purity thickener, flash foamer and viscosity enhancer. It is a good foam stabilizer and builder. Classic LSM is recommended for use in bath and shower products, shampoos and skin cleansers.



## TECHNICAL BULLETIN

### CLASSIC CME

INCI Name:

Cocamide MEA

CAS Number:

0068140-00-1

SPECIFICATIONS:

Appearance

Waxy flake

Free Fatty Acid

1.0 Max.

Free Amine (as MEA), %

3.0 Max.

Melting Point, C°

60-65

Product available in 50 lbs bags

SUGGESTED APPLICATIONS:

Classic CME is a rapid viscosity builder and foam enhancer. It is an excellent choice in pearlized formulations. It gives lather a creamy texture and soft feel





## TECHNICAL BULLETIN

### CLASSIC SD

INCI Name:

Soyamide DEA

CAS Number:

68425-47-8

### SPECIFICATIONS:

% amide	84%
% free amine	7 max
% glycerin	8
pH (soln 1%)	8.0 – 11.0
% ester	3

Product available in bulk and 55 gallon drums

### SUGGESTED APPLICATIONS:

Classic SD is a soy-derived amide exhibiting foam and skin feel properties analogous to soap. Good viscosity building and emulsification properties. Ideal choice for shower and facial cleansers, liquid soaps and bath gels.



## TECHNICAL BULLETIN

### CLASSIC B-MIPA

#### Description:

Cocomide MIPA  
Cocoamidopropyl Betaine

#### SPECIFICATIONS:

Appearance:	Clear Yellow Liquid
Odor:	Mild
Solids:	27.5-28.5%
pH (10% soln.):	6.5-7.5
% Cocamide MIPA:	10.5-11.5
Sodium Chloride:	2.5% Max.
Specific Gravity:	1.01

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic B-MIPA a blend of Cocamide Monoisopropanolamine (MIPA) in Cocoamidopropyl Betaine. Classic B-MIPA allows the manufacture to cold blend ingredients saving the time and energy normally required to melt Cocamide MIPA.

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## TECHNICAL BULLETIN

### CLASSIC DIPA

#### Description:

Cocamide DIPA

#### SPECIFICATIONS:

Appearance:	Clear viscous yellow liquid
Actives, $\geq$	95%
pH (10% <i>c</i> , Aqueous):	10.5-11.0
Color (Gardner):	4.0% Max
Alkali Value:	40-60
Odor:	Characteristic
Solubility in Water:	Soluble

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic DIPA is a liquid alkanolamide used in shampoo, liquid hand soap, and dish washing detergent formulations when building viscosity is difficult. Classic DIPA provides excellent detergency in hand dish washing and multi-purpose cleaner formulations and is especially good in the removal of fats and oils.

Classic DIPA provides a clear viscous liquid or gel with very low additions of salt. It is easily soluble in oils and solvents and is effective in waterless preparations like engine shampoos or concentrated degreaser for hard surfaces. It is also effective in solubilizing oils and perfumes in oily cosmetic preparations.

# *Classic* SURFACTANTS

## TECHNICAL BULLETIN

### CLASSIC ES-2K

INCI Name:

Sodium Laureth Sulfate  
(Kathon preserved)

CAS Number:

0068585-34-2

SPECIFICATIONS:

Appearance	Water-white liquid
Activity, %	24.5-26.5
Chlorides, wt%	1.5 Max
Unulfated Alcohol, wt%	1.2 Max
pH, (10% aq.)	6.5-8.0
Color, (% transmission @ 440NM)	90 min.
Viscosity, cps	3500-5000

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic ES-2K is a versatile, cost-effective surfactant for use in personal cleansing products. It has superior flash foam, lather characteristics and good skin compatibility. Uses include liquid, lotion and pearl shampoos; shower and bath gels; bubble baths and facial cleansers.



## TECHNICAL BULLETIN

### CLASSIC ES-60

Description:

Sodium Laureth Sulfate

CAS Number:

0068585-34-2

SPECIFICATIONS:

Appearance @ 25°C	Pale yellow liquid
Activity, %	58.0 – 60.0
Unulfated Alcohol, %	3.5 Max
pH (10% solution)	7 – 9
Color, APHA	100 Max
Viscosity, cps	1,000 Max

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic ES-60 is a high-active, cost-effective surfactant for use in a variety of shampoo systems. It is also widely used for bubble baths and cleansers as well as industrial applications.



## TECHNICAL BULLETIN

### CLASSIC ES-70

Description:

Sodium Laureth Sulfate

CAS Number:

0068585-34-2

SPECIFICATIONS:

Appearance @ 25°C	Slightly opaque viscous liquid
Activity, %	67.0 – 72.0
pH (1%)	7.0 – 9.0
Color, VCS	1 Max
1,4 Dioxane on 100% AD, ppm	18.0 Max
Specific Gravity	1.1
Density lbs/gal	9.17

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic ES-70 is a highly concentrated surfactant for use in toiletries and cosmetics. It is a versatile formulating tool for shampoo concentrates, bath gels, liquid soaps, and beauty bars. It saves storage space and offers economies compared to 30% active materials.



## TECHNICAL BULLETIN

### CLASSIC ALS

Chemical Name:

CAS Number:

Ammonium Lauryl Sulfate

0068081-96-9

### SPECIFICATIONS:

Appearance @ 25°C	Pale yellow liquid
Activity, % (mw 294):	27.00 – 30.00
Ammonium Chloride, %:	0.5 maximum
Ammonium Sulfate, %:	1.0 maximum
Unulfated Alcohol, %:	1.8 maximum
pH (10% solution):	6.0 - 7.5
Viscosity, cps 25°C:	3,500 maximum

Product available in bulk and 55 gallon drums

### SUGGESTED APPLICATIONS:

Classic ALS is designed for use in low-pH systems. It yields high foam; gives excellent viscosity response, good detergency and mildness. Synergism with betaines offers many formulating possibilities.

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## TECHNICAL BULLETIN

### CLASSIC TLS

Description:

TEA-Lauryl Sulfate

CAS Number:

0068908-44-1

SPECIFICATIONS:

Appearance @ 25°C	Water-white liquid
Activity, % (mw 425)	38 – 41
TEA Chloride, wt%	1.5 Max
TEA Sulfate, wt%	1.5 Max
Unfulfated Alcohol, wt%	2.0 Max
pH, (10% solution)	6.5 – 7.5
Color, Klett @ 50% solution	30 Max
Viscosity, cps	500 Max

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic TLS is a high-active, cost-effective surfactant foamer helpful in formulating shampoos and bubble baths. Its stable lather and soap-like characteristics are ideal for use in skin cleansers, shower gels and soap bars.





## TECHNICAL BULLETIN

### CLASSIC SLS

Description:

Sodium Lauryl Sulfate

CAS Number:

0068585-47-7

SPECIFICATIONS:

Appearance	Water-white liquid
Activity, %	28.5 – 30.5
Sodium Chloride, %	0.3 Max
Sodium Sulfate, %	1.0 Max
Unfulfated Alcohol, wt%	1.2 Max
pH, (10% solution)	7.0 – 9.0
Viscosity	500 cps, Max

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic SLS is a traditional component of cost-effective surfactant systems due to its excellent foam and viscosity response characteristics. Its uses include clear or pearlescent shampoos, cleansers, bath and shower products.



## TECHNICAL BULLETIN

### CLASSIC SLN-95

Description:

Sodium Lauryl Sulfate

CAS Number:

0068585-47-7

SPECIFICATIONS:

Water Content

Activity, wt%

Appearance

Color (Klett, 5% sol)

Unsulfated Organic Matter, %

Sodium Sulfate, %

Balance

92.0 Min

White to light yellow needle

50 Max

2.0 Max

2.0 Max

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic SLN-95 is a non-dusting concentrated alcohol sulfate for high active systems. It may be used in liquid or powder bubble baths, cosmetics cleansers and shampoos.



## TECHNICAL BULLETIN

### CLASSIC CAW

Description:

Cocamidopropylamine Oxide

CAS Number:

0068155-09-9

SPECIFICATIONS:

Appearance	Clear liquid
Color, APHA	150 max
Amine Oxide, wt %	29.5 – 31.5
Free amine, wt%	1.0 max
pH (as is)	6.0 – 8.00
Specific Gravity, (25°C)	1.007
Density, lbs/gal	8.39

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic CAW is an amine oxides which are exceptional foam boosters which can also act as hydrotropes and mild surfactants. Builds viscosity and boosts foam over a broad pH range. Classic CAW is low in free-peroxide and suitable for personal care systems containing dyes.



## TECHNICAL BULLETIN

### CLASSIC LO

Description:

Lauramine Oxide

CAS Number:

0001643-20-5

SPECIFICATIONS:

Appearance @ 25°C	Clear liquid
Color, APHA	100 Max
Activity, wt%	28 – 31
pH (10% aq)	6.0 – 8.0
Specific Gravity @ 40°C	0.982 Typical
Density, lbs/gal	7.86 – 8.26
Flash Point °F	220° Min

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic LO is a bleach stable, low odor Amine Oxide. Foaming properties are stable within a pH range of 5-12. Classic LO provides good viscosity response and foam enhancement for personal care products such as shampoos and shower gels. It is a nonionic surfactant which is compatible with anionic and cationic systems. Because of its foam boosting and viscosity building properties, Classic LO is useful in a variety of products.

# *Classic* SURFACTANTS

## TECHNICAL BULLETIN

### CLASSIC DCA

#### Description:

Disodium Coco Amphodiacetate

#### SPECIFICATIONS:

Appearance	Clear yellow liquid with mild characteristic odor
Color to Hazen 20%	100 MAX
Color to Gardner	4.0 MAX
Solid Content, %	49.00 – 51.00
Sodium Chloride, %	9.00 – 10.00
pH Value 12.5% Solids	8.0 – 8.6
Monochloroacetic Acid, ppm	30.0 MAX
Active Matter, %	39.00 MIN

#### SUGGESTED APPLICATIONS:

Classic DCA is an extremely mild, amphoteric surfactant which is not defatting to the skin and also does not strip oils from hair. Disodium Cocoamphodiacetate is a moderate foamer and is recommended for sensitive skin, baby skin, facial products. For use in shampoos and body wash where optimum foam is desired, combine with another surfactant such as decyl glucoside and/or cocamidopropyl betaine for a mild high-foaming blend.



## TECHNICAL BULLETIN

### CLASSIC CAS

Description:

CAS Number:

Cocamidopropyl Hydroxysultaine

68139-30-0

SPECIFICATIONS:

Appearance @ 25°C	Clear Liquid
Color, Gardner	3 Max.
Specific Gravity @ 25°C	1.106
Pounds per Gallon	9.23
Solids, wt%	49.0 – 51.0
Sodium Chloride, wt%	6.5 max
pH (5% aq.)	6.5 – 8.0

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic CAS reduces the irritation of other surfactants and exhibits mildness approaching traditional amphoteric surfactants. Classic CAS provides increased foam and stability in combination with alkyl sulfates, alkyl ether sulfates, alkyl-benzene sulfonates and soaps. It is a viscosity builder when formulated with anionic surfactants for liquid soaps and shampoos.



## TECHNICAL BULLETIN

### CLASSICBETAINE C

Chemical Name:

CAS Number:

Cocamidopropyl Betaine

0061789-40-0

SPECIFICATIONS:

Appearance @ 25°C	Clear yellow liquid
Total Solids, wt. %:	34-37
Chlorides, wt.% (as NaCl)	6.0 max.
Color, Gardner 1933:	3 max.
pH (10% aq.):	6.0-7.5
Specific Gravity, (25°C):	1.04
Density, lbs/gal:	8.67

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic C is a high-foaming, mild surfactant. It is stable over a wide pH range with excellent foam and viscosity building with anionics. It can be used in bubble baths, liquid soaps, skin cleansers, shampoos and conditioners.



## TECHNICAL BULLETIN

### CLASSIC LDB

CTFA Designation  
Lauryl Betaine

CAS Number  
66455-29-6

#### SPECIFICATIONS:

Appearance:	Clear very pale yellow liquid
Total Solids:	36.0-38.0%
Chlorides (NaCl):	8.0 % Max
pH (as is):	6.0-8.0
Odor:	Faint, Characteristic
Specific Gravity (25°C):	1.04

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic LDB is a mild amphoteric surfactant compatible with anionic, cationic and nonionic surfactants. It is an excellent viscosity builder and gelling agent. Its hard water tolerance permits good foaming in hard and soft water conditions. It also helps stabilize high electrolyte solutions helping solubilize other surfactants in formulations. Classic LDB is stable in acidic and alkaline conditions and functions as a cationic in acidic media and as an anionic in alkaline. Classic LDB is derived from vegetable based sources and contains no animal by products.





## TECHNICAL BULLETIN

### CLASSIC BLEND PDLK

#### Description:

Sodium Lauryl Sulfate  
Sodium Laureth Sulfate  
Cocoamide DEA  
Cocamidopropylamine Oxide

#### SPECIFICATIONS:

Appearance @ 25°C	Clear Liquid Light Straw Color
Activity (Wt. %)	40 Min
pH (10% Solution)	6 - 8
Viscosity @ 25°C, cps	1000-3000
Liquid Density (lbs/Gal @ 25°C)	8.52 report

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic Blend PDLK is a high active surfactant concentrate for the personal care industry. It offers high foam, high viscosity and good salt response. Its uses include Shampoos, Bubble baths and Bath Gels.



## TECHNICAL BULLETIN

### CLASSIC BLEND NAS

Chemical Name:

CAS Number:

Disodium Laureth Sulfosuccinate	0068815-56-5
Cocamidopropyl Hydroxysultaine	68139-30-0
Cocamidopropyl Betaine	0061789-40-0
Cocamidopropylamine Oxide	0068155-09-9

SPECIFICATIONS:

Appearance @ 25°C	Clear Light Amber Liquid
Density	8.5 lbs./gallon
pH, (10% aq.):	6.0 - 8.0
Solids, %	38 min

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic Blend NAS is a proprietary Non-Alcohol Sulfate Blend for shampoo and shower gels. It does not contain DEA or MEA. NAS may be diluted 2:1 with water up to 3:1. Desired viscosity may be obtained with Dermothix 75 Liquid or the thickening agent of your choice.



## TECHNICAL BULLETIN

### CLASSIC BLEND NAS - Ultra

Chemical Name:

CAS Number:

Sodium Lauroyl Sarcosinate 30%  
Cocamidopropyl Hydroxysultaine  
Cocamidopropyl Betaine  
Cocamidopropylamine Oxide

137-16-6  
68139-30-0  
0061789-40-0  
0068155-09-9

SPECIFICATIONS:

Appearance @ 25°C  
Density  
pH, (10% aq.):  
Solids, %

Clear Light Amber Liquid  
8.5 lbs./gallon  
6.0 - 8.0  
38 min

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

*Classic Blend NAS - Ultra* is a proprietary Non-Alcohol Sulfate Blend for shampoo and shower gels. It does not contain DEA or MEA or Ethoxylates. *Classic Blend NAS - Ultra* may be diluted 2:1 with water up to 3:1. Desired viscosity may be obtained with Dermothix 75 Liquid, Classicthix or the thickening agent of your choice.



## TECHNICAL BULLETIN

### CLASSIC BC-24K

Description:

Cocamide MEA  
Cocamidopropyl Betaine

CAS Number:

0068140-00-1  
0061789-40-0

SPECIFICATIONS:

% Cocamide MEA	12.0
pH, 10%	6.5 – 7.5
Color, VCS	2 Max
Sodium Chloride, %	1.90
Solids, %	24.0

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic BC-24K is a "liquid form" of Cocamide MEA easily incorporated into cold-mix surfactant systems.



## TECHNICAL BULLETIN

### CLASSIC BLEND WFM

Chemical Name:

CAS Number:

Decyl Glucoside  
Cocamidopropyl Hydroxysultaine  
Sodium Lauroyl Sarcosinate

58846-77-8  
68139-30-0  
137-16-6

SPECIFICATIONS:

Appearance @ 25°C  
Density  
pH, (10% aq.):  
Solids, %

Clear Light Amber Liquid  
8.5 lbs./gallon  
10.0-13.0  
40 min

Product available in 55 gallon drums

SUGGESTED APPLICATIONS:

Classic Blend WFM is a proprietary non-alcohol sulfate high active blend for shampoo and shower gels with ingredients approved on the Whole Foods Market Premium Body Care Quality Standards list. WFM may be diluted 2:1 with water up to 3:1. Desired viscosity may be obtained with the thickening agent of your choice.



## TECHNICAL BULLETIN

### CLASSIC BLEND AEG

#### Description:

Ammonium Lauryl Sulfate  
Ammonium Laureth Sulfate  
Cocoamide MEA  
Cocamidopropyl Betaine

#### SPECIFICATIONS:

Appearance @ 25°C	Clear Liquid Light Straw Color
Activity (Wt. %)	30.0-36.0
pH (10% Solution)	6.0-7.5
Viscosity @ 25°C, cps	500-5000
Liquid Density (lbs/Gal @ 25°C)	8.5 report

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic Blend AEG is an Ammonium salt shampoo concentrate for the personal care industry. It offers high foam, high viscosity and good salt response. Its uses include Shampoos, Bubble baths and Bath Gels.



## TECHNICAL BULLETIN

### CLASSIC BLEND DEV

#### Description:

Sodium Laureth Sulfate  
Cocoamide DEA  
Cocoamidopropyl Betaine

#### SPECIFICATIONS:

Appearance @ 25°C	Pale Yellow, Viscous Liquid
Activity (Wt. %)	36.00-39.00
pH (10% Solution)	7.0 – 9.0
Viscosity (Rev. #4 @20rpm)	5000 cps max
Liquid Density (lbs/Gal @ 25°C)	8.5

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic Blend DEV is a surfactant concentrate for the personal care industry. It offers high foam, high viscosity and good salt response. Its uses include Shampoos, Bubble baths and Bath Gels.



## TECHNICAL BULLETIN

### CLASSIC BLEND LSB

#### Chemical Name:

Disodium Laureth Sulfosuccinate  
Sodium Lauryl Sulfoacetate.

#### SPECIFICATIONS:

Color (G)	2 max.
Anionic content, %	24-26
pH (as is)	5.0-6.5
Sodium Chloride	3 max
Viscosity	4,000 cps max

#### SUGGESTED APPLICATIONS:

Classic Blend LSB can be used as a primary or secondary surfactant, is less irritating than either lauryl or lauryl ether sulfates, and is a versatile anionic surfactant blend which can be used in a variety of personal care applications where mildness is needed. Classic Blend LSB is an exceptional hard water foamer, a highly effective lime soap dispersant and foams well in the presence of soap.

Classic Blend LSB easily builds high viscosity with amides and salts and provides excellent foam stability. Classic Blend LSB should be formulated within the pH range of 5.0-6.5.



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## TECHNICAL BULLETIN

### CLASSIC BLEND 100

#### Description:

Sodium Laureth Sulfate  
Triethanolamine Lauryl Sulfate  
Cocamidopropyl Betaine  
Cocamide MEA

#### SPECIFICATIONS:

Microwave Solids, %	36 – 42
pH (as is)	7.0 – 8.5
Color (Gardner)	3 MAX
Viscosity (RV 4 @ 20)	1000 – 6000 cps
Wt./Gal	8.77



## TECHNICAL BULLETIN

### CLASSIC BLEND 103

#### INCI Name

Sodium Laureth Sulfate  
Cocamidopropyl Betaine  
Decyl Glucoside

#### SPECIFICATIONS

Appearance	White to Pale Yellow Paste
pH, 10% Aqueous	6.0 – 9.0
Color (G)	3.0 MAX
Solids, %	60.0 MIN
% Anionic Surfactant	42.0 MIN

#### SUGGESTED APPLICATIONS

Classic Blend 103 is a high solids concentrate derived from an anionic/nonionic proprietary blend. Classic Blend 103 can be diluted to 10 – 20% (w/w) with water, followed by fragrance and preservatives, to form a range of high performance economical products.



## TECHNICAL BULLETIN

### CLASSIC EGMS

Description:

Glycol Stearate

CAS Number:

111-60-4

SPECIFICATIONS:

Appearance @ 25°C	Light Waxy Flake
HLB	2.0
Saponification Value	180 – 188
Acid Value	4 Max
Color, Gardner	2 Max
Melting Point, °C	54 – 58
Iodine Value	1 Max

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic EGMS is generally used as a pearling agent in shampoos and liquid soaps. It also functions as a bodying agent and emulsion stabilizer in these systems. It can be used in low solids content formulations because it tends to build viscosity.



## TECHNICAL BULLETIN

### CLASSIC SCG

"A Natural Surfactant"

Description:

Sodium N-cocoyl Glycinate

CAS Number:

90387-74-9

SPECIFICATIONS:

Appearance @ 25°C	Clear Pale Yellow Liquid
Activity (Wt. %)	22.0 min
Solids (Wt. %)	31 - 33.0
pH (5% Solution)	9 - 10
Chloride, as NaCl	6.0 max
Free fatty acid (%)	2.5 max
Water Content (%)	69 max

Product available in 55 gallon drums

SUGGESTED APPLICATIONS:

Classic SCG is an amino acid based surfactant. It is derived from natural coco-fatty acid and glycine. This fatty acid is a component of human skin and stratum corneum. Glycine is the main amino acid of collagen. In Classic SCG both components, fatty acid and glycine, have bonded to each other by a peptide linkage (amide bond) that is ubiquitous in all proteins. This makes SCG the most natural surfactant compared to synthetic surfactants like fatty alcohol (ether) sulfates, sulfosuccinates, sulfonates, isethionates etc. It is an extremely mild surfactant compared to other anionics. It's non-irritant to skin and mucous membrane, hypoallergenic, and fully biodegradable.



## TECHNICAL BULLETIN

### CLASSIC 428

Description:

Modified Coco Diethanolamide

CAS Number:

0068603-42-9

SPECIFICATIONS:

Activity %	100
pH, 1%	9.0 – 10.0
Acid Number	50 – 55
Amine Value	112 – 123
Color, VCS	5+
Free Amine (as %DEA)	21 – 23

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic 428 is a thickening agent and emulsifier. Phosphates, alkalies and various builders can be incorporated via coupling agents.



## TECHNICAL BULLETIN

### CLASSIC 1248

Description:

Modified Coco Diethanolamide

CAS Number:

0068603-42-9

SPECIFICATIONS:

Activity %	100
Appearance	Light Amber Liquid
Acid Number	39 – 42
Amine Value	82.7 – 90.7
Color, VCS	5 Max.
Free Amine (as %DEA)	15.5 – 17.0

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic 1248 is a detergent, emulsifier, and wetting agent for formulation of aqueous degreaser and all purpose industrial and institutional cleansers. Dilution with water forms an excellent degreaser for removing oils, carbon deposits, and certain types of scales.



## TECHNICAL BULLETIN

### CLASSIC PL-61

Description

CAS #

Alkoxylated Linear Alcohol – Low Foam

9003-11-6

SPECIFICATIONS

Appearance	Clear to Slightly Hazy Liquid
Odor	Bland – essentially odorless
Boiling Point	> 95°F
Freezing Point	Not Determined
pH	7
Specific Gravity	1.008 (Heavier than water)
Percent Volative Matter	< 0.1% (v/v)
Evaporation Rate	Negligible
Solubility in Water	< 1%

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

# *Classic* SURFACTANTS

## TECHNICAL BULLETIN

### CLASSIC PL-62LF

<u>Description</u>	<u>CAS #</u>
Alkoxyl Linear Alcohol	9003-11-6

### SPECIFICATIONS

Appearance	Clear to Slightly Hazy Liquid
Odor	Bland – essentially odorless
Boiling Point	> 200°F
Freezing Point	Not Determined
pH	5 – 7
Specific Gravity	1.04 (Heavier than water)
Percent Volative Matter	< 0.1% (v/v)
Evaporation Rate	Negligible
Solubility in Water	< 10%

Product available in bulk and 55 gallon drums

### SUGGESTED APPLICATIONS:





## TECHNICAL BULLETIN

### CLASSIC LF-17

Chemical Name: Alkoxylated Linear Alcohol

CAS#: 68439-51-0

#### SPECIFICATIONS:

Appearance @ 25°C	Clear to very slightly hazy liquid
Color, Gardner	2 Max
pH (1% in Water)	5.0 – 7.5
Cloud Point (1%), °F	95 – 100
Moisture, wt%	1.0 Max
Specific Gravity, g/mL	0.99 Typical

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Laundry detergents, Mechanical dishwashing, Metal working.

Classic LF-17 surfactant is an ethoxylated and propoxylated linear primary 12-14 carbon number alcohol. The low-foaming and good surface active properties of Classic LF-17 surfactant suggest its use in any application where foam control is necessary.

Classic LF-17 is considered to be biodegradable; however, the rate of biodegradation is retarded because of the polyoxypropylene chain in the products. removal of organic carbon reached 40% after 71-85 days in a laboratory activated sludge study. The study of a low foam surfactant similar to Classic LF-17 shows it to be much less toxic to aquatic life than alcohol ethoxylates (water flea, LC50, 72ppm; fathead minnow, LC50, 13ppm).



## TECHNICAL BULLETIN

### CLASSIC PEARL

#### INCI Name:

Sodium Laureth Sulfate  
Glycol Distearate  
Cocoamide MIPA

#### SPECIFICATIONS:

Appearance	Pearlized viscous liquid
Color	White
Solids, wt%	34 - 36
pH (1% solution)	6.5 - 7.5

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic Pearl is a cold mix pearling concentrate used at 2-4% level in surfactant blends. The combination of Glycol distearate and Cocamide MEA work together to provide more pearling effect than EGMS alone



## TECHNICAL BULLETIN

### CLASSIC PEARL-H

#### INCI Name:

Sodium Laureth Sulfate  
Glycol Distearate  
Cocoamide MEA

#### SPECIFICATIONS:

Appearance	Opaque, Viscous, Dirt free liquid
Color	White
Odor	Complies
pH %5 Solution	6.880
Microbial Count (TVC) CFU/ML	<10.000
Solids @ 105°C, by Mass	46.990
Viscosity @ 30°#4 30 RPM, CPS	8400.000

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic Pearl is a "High Active" cold mix pearling concentrate used at 2-4% level in surfactant blends. The combination of Glycol distearate and Cocamide MEA work together to provide more pearling effect than EGMS alone. This product has much higher solids than many other pearler products on the market today.



## TECHNICAL BULLETIN

### CLASSIC DG

#### Description:

Decyl Glucoside  
CAS# 68515-73-1, CAS# 110615-47-9

#### Specifications

Appearance	viscous liquid
% Active	51.0 –55.0
Color (Gardner)	< 3
pH 10% (in 85/15 Water/IPA)	11.5 – 12.5

Product available in 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic DG is Decyl glucoside; a fatty polyglycoside prepared by reacting cornstarch with glucose and a natural fatty alcohol derived from coconuts. Decyl glucoside is a nonionic surfactant and can function as either a primary or secondary surfactant in a variety of personal care cleansers. It provides excellent foaming characteristics, ease of formulation, and mildness to skin and eyes. Due to its mildness and foaming properties, decyl glucoside is recommended as a primary or co-surfactant in shampoos, shower gels, and bubble baths, hand and face cleansers, and other applications where mildness without sacrificing performance is required. It contains no solvents or hydrotypes and is easily formulated in personal care products. This nonionic surfactant has a well balanced combination of foam volume and dermatological properties.



## TECHNICAL BULLETIN

### CLASSIC LG

INCI NAME: Lauryl Glucoside

CAS #: 110615-47-9

#### SPECIFICATIONS

Appearance	Turbid, viscous liquid
% Active	48.0 – 52.0
Color (Gardner)	3 MAX
% Ash	3 MAX
pH (10% in 85/15 Water/IPA)	11.5 – 12.5
Viscosity	2,000 cps Min.

#### DESCRIPTION:

Classic LG is a mild, non-ionic surfactant perfect for cleansing skin. Produces a mild foam for skin-care emulsions.



## TECHNICAL BULLETIN

### CLASSIC CG

INCI NAME: Coco Glucoside

CAS #: 141464-42-8

#### SPECIFICATIONS

Appearance	Turbid, viscous liquid
% Active	51.0 – 55.0
pH (10% in 85/15 Water/IPA)	11.5 – 12.5
Free Fatty Alcohol	1% MAX
Color (Gardner)	3 MAX

#### DESCRIPTION:

Classic CG is a mild, non-ionic surfactant perfect for cleansing skin and hair.



## TECHNICAL BULLETIN

### CLASSIC 500

#### Description:

Palm Kernel Amidopropyl Betaine  
(Derived from sustainable American Palm Kernel Oil)



#### SPECIFICATIONS:

Appearance @ 25°C	Semi-clear. Dark colored liquid
Solids, %	29 – 32
Chloride, % (as NaCl)	5.5 MAX
pH (10% solution)	7.0 – 9.0
Viscosity	5000 cps MAX

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic 500 is a sustainable surfactant derived from the fruit of the African Palm (Elaeis Guineensis). Through a strong partnership with Rainforest Alliance™ we have been able to be a leader in bringing responsible products to the industry. These products originate from farms that have undergone strict guidelines from the Sustainable Agriculture Network (SAN). This practice helps to protect the farms and forests that represent home and family to many millions of people worldwide. Classic is proud to offer these products to help create a more reliable, renewable and sustainable world.

# Classic

## SURFACTANTS

### TECHNICAL BULLETIN

#### CLASSIC 475

#### Description:

Palm Kernel Amidopropylamine Oxide  
(Derived from sustainable American Palm Kernel Oil)



#### SPECIFICATIONS:

Appearance @ 25°C	Clear Amber liquid
Solids (Wt. %)	30.0-32.5
Free Amine %	1.0 Max
Free Peroxide %	0.3 Max
Color (Gardener)	4.0 Max
pH (as is)	6.5-8.5
Solubility in Water	Infinite

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic 475 is a sustainable surfactant derived from the fruit of the African Palm (Elaeis Guineensis). Through a strong partnership with Rainforest Alliance™ we have been able to be a leader in bringing responsible products to the industry. These products originate from farms that have undergone strict guidelines from the Sustainable Agriculture Network (SAN). This practice helps to protect the farms and forests that represent home and family to many millions of people worldwide. Classic is proud to offer these products to help create a more reliable, renewable and sustainable world.



# Classic

## SURFACTANTS

### TECHNICAL BULLETIN

#### CLASSIC 170

#### Description:

35% Potassium Palm Kernelate  
(Derived from sustainable American Palm Kernel Oil)



#### SPECIFICATIONS:

Appearance @ 25°C  
Odor  
pH (10% solution)

Semi-clear to hazy  
Typical palm kernel oil odor  
9.5 – 12.5

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic 170 is a sustainable surfactant derived from the fruit of the African Palm (*Elaeis Guineensis*). Through a strong partnership with Rainforest Alliance™ we have been able to be a leader in bringing responsible products to the industry. These products originate from farms that have undergone strict guidelines from the Sustainable Agriculture Network (SAN). This practice helps to protect the farms and forests that represent home and family to many millions of people worldwide. Classic is proud to offer these products to help create a more reliable, renewable and sustainable world.

# Classic

## SURFACTANTS

### TECHNICAL BULLETIN

#### CLASSIC BLEND SLB

##### Description:

Disodium Monolaureth Sulfosuccinate  
Disodium Cocoamphodiacetate  
Palm Kernelamidopropyl Betaine  
Sodium Lauryl Sarcosinate  
Potassium Palm Kernelate  
Sodium Lauryl Sulfoacetate  
(Derived from sustainable American Palm Kernel Oil)



##### SPECIFICATIONS:

Appearance @ 25°C	Pale amber, clear to slightly hazy viscous liquid
Solids, %	36 – 40%
pH (as is)	7.0 – 9.0
As is Viscosity (Rev. #2 @ 50 rpm)	5000 cP MAX

Product available in bulk and 55 gallon drums

##### SUGGESTED APPLICATIONS:

Classic Blend SLB is a sustainable surfactant derived from the fruit of the African Palm (*Elaeis Guineensis*). Through a strong partnership with Rainforest Alliance™ we have been able to be a leader in bringing responsible products to the industry. These products originate from farms that have undergone strict guidelines from the Sustainable Agriculture Network (SAN). This practice helps to protect the farms and forests that represent home and family to many millions of people worldwide. Classic is proud to offer these products to help create a more reliable, renewable and sustainable world.



## TECHNICAL BULLETIN

### CLASSIC L-30

#### Description:

Sodium Lauroyl Sarcosinate 30%

#### SPECIFICATIONS:

Appearance @ 25°C	Clear Liquid
Activity (Wt. %)	29.0 - 31.0 %
Color (APHA)	60 max
pH (10% Solution)	7.5 - 8.5
Sodium Laurate (%)	2% max
Total bacteria (cfu/g)	100 CFU/G max

Product available in 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic L-30 also known as sarkosyl, is an ionic surfactant derived from sarcosine, used as a foaming and cleansing agent in shampoo, shaving foam and foam wash products.



## TECHNICAL BULLETIN

### CASTILE SOAP

#### Description:

40% Coconut Oil Soap/Potassium Cocoate

#### SPECIFICATIONS:

Color	Gold
Odor	Bland
Appearance	Clear Liquid
Specific Gravity @ 20°C	1.041
Density (ppg) @ 20°C	8.672
pH @ 20°C	10.4
Viscosity (cps) @ 20°C	40
Non-Volatiles (wt. %)	39.0
Titration	0.03% fkoh

#### SUGGESTED APPLICATIONS:

Castile soap is processed from 100% pure natural coconut oil. Soaps made from coconut oil produce the most copious lather of all the animal and vegetable oil soaps. It is made using only whole coconut oil, rather than fatty acid extracts, thus the 12% natural glycerin found in the oil is retained. This adds emollient and moisturizing qualities lacking in fatty acid soaps. The foaming properties and feel of synthetic shampoos may be improved by adding 10-25% castile soap. It contains no dyes, perfumes or fillers. A small amount of water softener is added to maintain foaming properties in hard water.



## TECHNICAL BULLETIN

### CLASSIC SCS

#### Description:

Sodium Coco Sulfate

#### SPECIFICATIONS:

Appearance	Pass
Odor	Pass
Active Matter, %	94.56
Unsulfated Alcohol, %	.99
pH (1.0% aq.)	10.29
Free Alkalinity as NaOH, %	0.18
Sodium Sulfate, %	0.84
Moisture, % (KF)	3.26

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic SCS is a naturally derived alternative to Sodium Lauryl Sulfate in flake form. Classic SCS is derived from pure coconut oil. It can be used in a wide variety of personal care applications in which viscosity building and foam characteristics are of importance. The product formulates similar to synthetic alkyl sulfates, but is less defatting to the hair and skin. Classic SCS being less soluble than synthetic alkyl sulfates leaves the skin and hair with a conditioned feel. It can be incorporated into shampoos, hand soaps, bath products, shaving creams and medicated ointments. It is especially useful for opaque, pearlescent, or cream products.



## TECHNICAL BULLETIN

### CLASSIC AOS

#### Description:

Sodium C14-16 Alpha Olefin Sulfonate

#### SPECIFICATIONS:

Appearance @ 25°C	Light yellow
Activity (Wt. %)	38.0 – 40.0
Unulfonated Material (Wt. %)	1.25 max
Sodium Sulfate (Wt. %)	1.6 max
Color (5% Active, Klett, 40 mm, #42 Filter)	100 max
pH (10% Solution)	7.0 – 9.0
Viscosity @ 25°C, cps	150
Liquid Density (lbs/Gal @ 25°C)	8.7
Solubility in Water	Infinite

Product available in bulk and 55 gallon drums

#### SUGGESTED APPLICATIONS:

Classic AOS is a pale yellow to light amber, aqueous solution of sodium C14-16 alpha olefin sulfonate. Classic AOS combines the advantages of high foaming power, good emulsification, mildness to the skin and excellent lime soap dispersion to give the formulator flexibility for sulfate-free personal care and detergent products.



## TECHNICAL BULLETIN

### CLASSIC DSLS

Description:

Disodium Laureth Sulfosuccinate

CAS Number:

0068815-56-5

SPECIFICATIONS:

Appearance @ 25°C	Clear liquid
Total Solids, wt. %	38 – 43
Color, Lovibond	1 – 3
pH (10% aq)	5.5 – 7.0
Specific Gravity, (25°C)	1.11
Density, lbs/gal	9.21

Product available in bulk and 55 gallon drums

SUGGESTED APPLICATIONS:

Classic DSLS is a mild surfactant compatible with anionic, nonionic and amphoteric surfactants. Classic DSLS is suitable for use in shampoos, bubble baths and other low irritation products. It is recommended that this product be used in finished product formulations with pH ranges from 4 to 7.

# PRODUCTS BY DESCRIPTION

<b>CLASSIC NAME</b>	<b>DESCRIPTION</b>
Castile Soap	40% Coconut Oil Soap/Potassium Chloride
Classic 170	40% Palm Kernalate
Classic Blend NAS	Alcohol Sulfate Free Blend
Classic PL-62LF	Alkoxy Linear Alcohol
Classic LF-17	Alkoxylated Linear Alcohol
Classic PL-61	Alkoxylated Linear Alcohol-Low Foam
Classic ALS	Ammonium Lauryl Sulfate
Classic Blend PDLK	Anionic/nonionic Amphoteric Blend
Classic CE	Cocamide DEA
Classic KD	Cocamide DEA
Classic CME	Cocamide MEA (flake)
Classic BC-24K	Cocamide MEA/Cocamidopropyl Betaine
Classicbetaine C	Cocamidopropyl Betaine
Classic CAS	Cocamidopropyl Hydroxysultaine
Classic CAW	Cocamidopropylamine Oxide
Classic 1248	Complex Fatty Amido Phosphate
Classic DG	Decyl Glucosides
Classic DCA	Disodium Coco Amphodiacetate
Classic DSLS	Disodium Laureth Sulfosuccinate
Classic EGMS	Glycol Monostearate
Classic LSM	Lauramide DEA (liquid)
Classic LO	Lauramine Oxide
Classic LDB	Lauryl Betaine
Classic 428	Modified Coco Diethanolamide
Classic 500	Palm Kernel Amidopropyl Betaine
Classic 475	Palm Kernel Amidopropyl Oxide
Classic AOS	Sodium C14-16 Alpha Olefin Sulfonate
Classic SCS	Sodium Coco-Sulfate
Classic ES-2K	Sodium Laureth Sulfate
Classic ES-60	Sodium Laureth Sulfate
Classic ES-70	Sodium Laureth Sulfate (2 mole) Sodium Laureth Sulfate/Glycol Distearate/Cocamide
Classic Pearl	MEA Sodium Laureth Sulfate/Glycol Distearate/Cocamide
Classic Pearl-H	MEA
Classic L-30	Sodium Lauroyl Sarcosinate 30%
Classic SLS	Sodium Lauryl Sulfate
Classic SLN-95	Sodium Lauryl Sulfate Crystals
Classic SCG	Sodium N-cocyl Glycinate Sustainable Lasting Beauty Shampoo/Body Wash
Classic Blend SLB	Concentrate
Classic TLS	TEA-Lauryl Sulfate
Classic Blend WFM	Whole Foods Market Approved Blend



We at Classic Distributing Company celebrate our 31<sup>st</sup> Anniversary in 2013. We greatly appreciate the confidence that you and all of our customers have placed in us. It is our privilege to serve the industry in the areas of chemical manufacturing, distribution and marketing. We hope to remain a part of your success in the future.

*The Helscher Family*

# *Classic*

## SURFACTANTS



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