



BASF

We create chemistry

Solutions **Care 360°** for Sustainable Life
For Home. *For Life.*

BASF Industrial & Institutional

Product Guide

for USA and Canada

Why BASF?

At BASF, we combine technical expertise with forward-thinking chemistry and a keen awareness of evolving consumer expectations. Our industrial and institutional cleaning solutions are designed to help you stay ahead— with a portfolio that unites sustainability and high efficiency, BASF enables customers to set their formulations apart through superior performance—while supporting their environmental goals.

When you choose to partner with BASF, you open doors to performance chemistry that support long-term cleanliness, environmental responsibility, and a competitive edge in the market. We invite you to explore our offerings and discover how our commitment to responsible chemistry can help you formulate with confidence and elevate your operations.

DEFINITIONS

 **Safer Choice** – Ingredients that meet requirements created by the United States Environmental Protection Agency (EPA) based on performance, packaging, pH, and VOCs. All chemicals that pass this investigation are listed on CleanGredients.

 **Direct Release** – Ingredients intended for use outdoors that are likely to bypass sewage treatment, limiting the time for degradation prior to entering sensitive environments meet additional criteria. Any ingredients (including surfactants, preservatives, solvents, etc.) that have aquatic toxicity values <10 mg/L are not allowed in Safer Choice direct release products.

 **Biobased** – Ingredients are considered biobased if they have biologically-based carbon molecules. Percentages of biobased carbon are approximate.

TEST METHODS

Test methods for Lupasol types

Physical form	at 25°C
Concentration (dry content)	ISO 3251, 1g, 120°C, 4 h
pH-value	DIN 19268, 10% dry substance in dist. water
Density	DIN 51757, 25°C
Viscosity	Brookfield, 25°C, as is

Test methods for Sokalan types

Physical form	at 25°C
Concentration	ISO 3251 drying to constant mass
Average molar mass	Gel Permeation Chromatography (calibration with polystyrene sulfonates/or polyacrylates)
pH-value	DIN 19268, 10% dry substance in dist. water
Bulk density	ISO 697
Density	DIN 51757, 25°C
Viscosity	Brookfield, 25°C, undiluted

Test methods for Rheovis types

Physical form	at 25°C
Concentration	specific for each product, please refer to the Product Specification
pH-value	DIN 19268, 1% in dist. water
Bulk density	ISO 697
Density	DIN 51757, 25°C
Viscosity	Brookfield, 25°C, undiluted

 **Biodegradable** – Ingredients are considered biodegradable if they can naturally decay at a certain ratio. There are five classifications as it relates to an ingredients biodegradable level. Our Readily Biodegradable ingredients are highlighted throughout the brochure.

- RB: Readily Biodegradable by OECD criteria (≥60% in 10-day window)
- UB: Readily Biodegradable (≥60% in 28 days)
- MB: Moderately Biodegradable (>20– 60% in 28 days)
- PB: Poorly Biodegradable (≤20% in 28 days)
- PE: Partially Eliminated by water

EPA Inert Ingredients permitted for use:

† **Nonfood use** – Nonfood use ingredients are solely for use in pesticide products applied to nonfood use sites, such as nonfood handling establishments, nonfood industrial applications, bathroom cleaning, etc. Food use is not permitted.

† **Food and Nonfood use** – The only inert ingredients approved for use in pesticide products applied to food are those that have either tolerances or tolerance exemptions in the Code of Federal Regulations (CFR), 40 CFR part 180 (the majority are found in sections 180.910 – 960), or where no residues are found in food. Food use sites may include food contact surfaces in public eating places, dairy-process equipment, and food-processing equipment and utensils. Restrictions and limitations may vary. Please consult your BASF representative for further information on suitable BASF inert ingredients for your pesticide products.

Determination of BASF product EPA Inert status is either provided directly from EPA Inerts or by BASF self-assessment.

Test methods

- Cloud point in °C according to EN 1890:
 - Method A: 1g surfactant + 100g distilled water
 - Method B: 1g surfactant + 50g NaCl solution (c = 50g/L)
 - Method C: 1g surfactant + 100g NaCl solution (c = 100g/L)
 - Method D: 5g surfactant + 45g of diethylene glycol monobutyl ether solution (c = 250g/L)
 - Method E: 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L)
- Viscosity: EN 12092 Brookfield, 60 rpm [mPa·s], 23°C
- Viscosity: Ubbelohde according to DIN 51562 [mm²/s]
- Molar mass calculated from hydroxyl number according to DIN 53240 or PSA method
- HLB value according to W.C. Griffin (Lutensol and Inoterra products) and Davies (Dehypon and Pluronic products)
- Melting point: BASF method

❖ Test methods for sustainability metrics

Biodegradability	one of the following methods: OECD 301A, OECD 301B, or OECD 301F
Product Carbon Footprint	The methodology for calculating the PCF is based on the ISO 14040, ISO 14044 and ISO 14067 standards and is compliant with the Greenhouse Gas Protocol Product Standard
Biobased Content	ASTM method D6866



Table of Contents

	Pages
WHY BASF?	2–3
DEFINITIONS AND TEST METHODS	2–3
APPLICATIONS	6–59
Commercial Laundry	6–13
Food and Beverage Processing	14–25
Food Service & Kitchen Hygiene	26–35
Institutional Cleaning	36–41
Vehicle & Transportation Care	44–49
Industrial Cleaning	52–59
SAFER CHEMICAL INGREDIENTS LIST ..	62–64
DIRECT RELEASE	66–67

Looking for more
information?



Visit our website:
<https://care360.basf.com/>

The product lists below represent potential applications; however, they are not exhaustive. Additional applications may also be suitable depending on specific product capabilities and application requirements.



Applications

BASF Industrial & Institutional **Product Guide** for USA & Canada

COMMERCIAL LAUNDRY

In today's commercial laundry industry, the demand is clear: achieve more with less; cleaner results in less time and with reduced labor, while conserving water, energy, and other resources. If you're looking to meet these demands in the commercial laundry market, BASF can support you with formulation expertise and an extensive ingredient portfolio that helps you meet performance goals and customer expectations.

BASF offers a broad portfolio of high-performance chemical ingredients and innovative solutions tailored to meet the needs of commercial laundry formulators. Our ingredients are designed to deliver excellent cleaning results while helping maintain fabric integrity and operational efficiency.

Product	Chemical Nature						Cloud Point	HLB
		Detergent	Fabric Softener	Laundry Sour	Solid	Pre-Spotter		
Glucopon® 625 UP†	Lauryl/Myristyl Glucoside	■	■			■		
Glucopon 600 UP†	Lauryl/Myristyl Glucoside	■	■			■		
Inoterra™ DWF†	Nonionic Surfactant	■				■	54 (A)	13.6
Inoterra DWE‡	Nonionic Surfactant	■				■	53 (A)	12.4
Klearfac® AA 270†	Phosphate Ester	■						
Lavergy A Star 100 L	Amylase	■				■		
Lavergy C Bright 100 L	Cellulase	■				■		
Lavergy C Care 100 L	Care cellulase	■						
Lavergy L Pace 100 L	Lipase	■				■		
Lavergy M Ace 100 L	Mannanase	■				■		
Lavergy Pro 106 L	Protease (unstabilized)	■				■		
Lavergy Pro 106 LS	Protease (stabilized)	■				■		

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Lavergy® Enzymes

Homecare I&I Solutions

- Stain-fighting power
- Readily biodegradable¹
- Halal & Kosher certified
- No preservatives used in manufacturing²



Learn More >



¹ "Readily biodegradable" means $\geq 60\%$ degradation within 28 days, as measured by OECD 301F method.
² No Intentionally added preservatives

Lavergy Pro 106 L | Protease

Lavergy Pro 106 L is a liquid protease that outperforms the leading, market-relevant proteases on key proteases sensitive soils like blood and milk, in both warm and cold temperatures.

Lavergy Pro 114 LS | Non-Boron Stabilized Protease

Lavergy Pro 114 LS is a liquid protease with an excellent non-boron stabilization technology that tackles the toughest protease sensitive soils in both warm and cold temperatures.

Lavergy C Bright 100 L | Cellulase

Lavergy C Bright 100 L is a liquid cleaning cellulase that helps maintain the whiteness and brightness of cotton and cotton blend fabrics, even during cold water washes.

Lavergy M Ace 100 L | Mannanase

Lavergy M Ace 100 L is a liquid mannanase that outperforms the leading market-relevant mannanases on guar and mannan gum removal, especially during quick and cold washes.

Lavergy A Star 100 L | Amylase

Lavergy A Star 100 L is a liquid amylase that delivers starch removal, even in cold water conditions.

Lavergy C Care 100 L | Cellulase

Lavergy C Care 100 L is a liquid cellulase that outperforms the leading market-relevant protease stable care cellulases, on providing fabric and color care benefits.

Lavergy L Pace 100 L | Lipase

Lavergy L Pace 100 L is a liquid lipase that meets the need for greasy and oily stain removal from soft and hard surfaces.

Lavergy Pro 106 LS | Stabilized Protease

Lavergy Pro 106 LS is a stabilized liquid protease that outperforms other leading, market-relevant proteases on key protease sensitive soils like blood and milk, in both warm and cold temperatures.

Product	Chemical Nature	Detergent	Fabric Softener	Laundry Sour	Solid	Pre-Spotter	Cloud Point	HLB
Lavergy Pro 114 LS 	Protease (non-boron stabilized)	■				■		
Lutensol A 65 N [†]  	C12-14 Fatty Alcohol (6.5 EO)	■					50 (A)	12
Lutensol LA 60 [†]  	C12-14 Fatty Alcohol (7 EO)	■					60 (A)	12
Lutensol TDA 9 [†]  	Tridecyl Alcohol (9 EO)	■					58 (A)	13
Lutensol TO 8 [†]  	C13 Oxo Alcohol (8 EO)	■					60 (A)	13
Lutensol XL 50  	Guerbet Alcohol Alkoxylate (5 EO)	■					60 (E)	11.5
Lutensol XL 70 [†]  	Guerbet Alcohol Alkoxylate (7 EO)	■					68 (E)	12.5
Lutensol XL 79 [†]  	Guerbet Alcohol Alkoxylate (7 EO)	■					68 (E)	12.5
Lutensol XL 80 [†]  	Guerbet Alcohol Alkoxylate (8 EO)	■					56 (A)	13
Lutensol XL 90 [†]  	Guerbet Alcohol Alkoxylate (9 EO)	■					69 (A)	14
Lutensol XP 30 [†]  	Guerbet Alcohol Ethoxylate (3 EO)	■					31 (E)	9
Lutensol XP 40 [†]  	Guerbet Alcohol Ethoxylate (4 EO)	■					44 (E)	10.5
Lutensol XP 50 [†]  	Guerbet Alcohol Ethoxylate (5 EO)	■					56 (E)	11.5
Lutensol XP 70 [†]  	Guerbet Alcohol Ethoxylate (7 EO)	■					52 (A)	13
Lutensol XP 79 [†]  	Guerbet Alcohol Ethoxylate (7 EO)	■					52 (A)	13
Lutensol XP 80 [†]    	Guerbet Alcohol Ethoxylate (8 EO)	■					56 (A)	14
Lutensol XP 89 [†]    	Guerbet Alcohol Ethoxylate (8 EO)	■					56 (A)	14
Lutensol XP 90 [†]    	Guerbet Alcohol Ethoxylate (9 EO)	■					69 (A)	14.5
Lutropur MSA [‡]   	Methanesulfonic acid in water			■				
Myacide® GA 50 [†] 	Glutaraldehyde	■	■					
Myacide GDA Technical [†]	Glutaraldehyde	■	■					
Myacide S 15 [†]	Bronopol	■	■					

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water;
 Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Product	Chemical Nature	Detergent	Fabric Softener	Laundry Sour	Solid	Pre-Spotter	Cloud Point	HLB
Pluriol E 4000 FL [‡] 	Polyethylene glycol	■			■			
Pluriol E 8000 E [‡] 	Polyethylene glycol	■			■			
Rheovis® CDE PRO [†]	Polyacrylate, cationically modified		■					
Sokalan CP 9 [‡]	Maleic acid/olefin copolymer, sodium salt	■						
Sokalan HP 165 [‡]	Polyvinylpyrrolidone	■						
Sokalan HP 20 	Multifunctional polyethyleneimine	■						
Sokalan HP 96 	Quaternated Hexa-methylene diamine, ethoxylated	■						
Sokalan PA 30 CL PN Granules [‡] 	Polyacrylic acid, sodium salt, partially neutralized	■						
Sokalan PA 30 CL [‡]	Polyacrylic acid, sodium salt	■						
Texapon® 842 UP [‡]    	Sodium n-octyl sulfate	■				■		
Tinopal® CBS-X [†]	Distyryl biphenyl derivative	■	■					
Tinopal CBS SP Slurry 33 [†]	Distyryl biphenyl derivative	■	■					
Trilon B liquid [‡]	Tetrasodium salt of EDTA	■						
Trilon B Powder [‡]	Tetrasodium salt of EDTA	■						
Trilon BX Liquid [‡]	Tetrasodium salt of EDTA	■						
Trilon BX Powder [‡] 	Tetrasodium salt of EDTA	■						
Trilon G    	Aqueous solution of glutamic acid, N, N-diacetic acid, tetrasodium salt (GLDA, Na ₄)	■						
Trilon M Granules SG T [†]    	Trisodium salt of MGDA	■						
Trilon M Liquid T [†]    	Trisodium salt of MGDA	■						
Trilon M U5G 	Trisodium salt of MGDA	■						

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water;
 Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.



FOOD AND BEVERAGE PROCESSING

Suppliers in the food and beverage industry, including those involved in - bottling, CIP, dairy & meat processing, and canning - require cleaning solutions that meet strict regulatory standards and perform reliably across a wide pH range. BASF offers a comprehensive portfolio

of surfactants and specialty ingredients that help optimize cleaning performance, while supporting compliance with industry standards. Our technical expertise and ingredient solutions can help formulators meet performance goals and respond to evolving market demands.

Product	Chemical Nature						Cloud Point	HLB
		All Purpose	Bottle	CIP	OPC	Oven & Grill		
Dehypon GRA  	Modified Fatty Alcohol Polyglycoether			■			17 (E)	
Dehypon LS 36†   	C12-14 Fatty Alcohol (3EO) & 6PO			■			11 (A)	9
Dehypon LS 54†   	C12-14 Fatty Alcohol (5EO) & 4PO			■			30 (A)	14.5
Dehypon LT 104   	C12-18 Fatty Alcohol (10EO) & n-butyl end-capped			■			26 (A)	14.5
Deriphat® 160 C†  	Sodium lauriminodipropionate	■				■		
Glucopon 215 UP†    	Caprylyl/Decyl Glucoside	■	■		■	■		
Glucopon 225 DK†    	Caprylyl/Decyl Glucoside	■	■		■	■		
Glucopon 420 UP†   	Caprylyl/Myristyl Glucoside	■	■		■	■		
Glucopon 425 N†  	Caprylyl/Myristyl Glucoside	■	■		■	■		
Glucopon 480 UP†   	Caprylyl/Decyl Glucoside	■	■		■	■		
Glucopon 50 G†   	Lauryl/Myristyl Glucoside (and) Sodium Sulfate (and) Sodium Silicate (and) Sodium Coco Sulfate	■	■		■	■		

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.



7 Benefits of using
Lutropur[®] MSA
in cleaning products

- 1.** Strong cleaning and descaling capabilities, making it versatile for I&I applications.
- 2.** Superior performance synergies with other acids and Trilon M
- 3.** Less corrosive than hydrochloric or sulfuric acid, reduces risk of damage to surfaces and equipment.
- 4.** More stable than other acids, allowing for longer shelf life and easier storage.
- 5.** Lower toxicity than other acids. Lutropur MSA is approved for use in Safer Choice and Direct Release formulations.
- 6.** Replacement for phosphoric and nitric acid
- 7.** Readily Biodegradable* and Organic acid

* For definitions and test method details, refer to the overview page.

Product	Chemical Nature	All Purpose	Bottle	CIP	OPC	Oven & Grill	Other	Cloud Point	HLB
Glucopon 600 UP†   	Lauryl/Myristyl Glucoside	■	■		■	■	■		
Glucopon 625 UP†   	Lauryl/Myristyl Glucoside	■	■		■	■	■		
Klearfac AA 270† 	Phosphate Ester	■	■	■	■	■			
Lavergy L Pace 100 L	Lipase			■					
Lavergy Pro 106 L 	Protease (unstabilized)			■			■		
Lavergy Pro 106 LS	Protease (stabilized)			■			■		
Lavergy Pro 114 LS 	Protease (non-boron stabilized)			■					
Lutensol TDA 9†   	Tridecyl Alcohol (9 EO)	■			■			58 (A)	13
Lutensol TO 8†  	C13 Oxo Alcohol (8 EO)	■			■			60 (A)	13
Lutensol XL 70†   	Guerbet Alcohol Alkoxylate (7 EO)	■			■	■	■	68 (E)	12.5
Lutensol XL 79†   	Guerbet Alcohol Alkoxylate (7 EO)	■			■	■	■	68 (E)	12.5
Lutensol XL 80†  	Guerbet Alcohol Alkoxylate (8 EO)	■			■	■	■	56 (A)	13
Lutensol XL 90†   	Guerbet Alcohol Alkoxylate (9 EO)	■			■	■	■	69 (A)	14
Lutensol XP 70†  	Guerbet Alcohol Ethoxylate (7 EO)	■			■	■	■	52 (A)	13
Lutensol XP 79†  	Guerbet Alcohol Ethoxylate (7 EO)	■			■	■	■	52 (A)	13
Lutensol XP 80†    	Guerbet Alcohol Ethoxylate (8 EO)	■			■	■	■	56 (A)	14
Lutensol XP 89†    	Guerbet Alcohol Ethoxylate (8 EO)	■			■	■	■	56 (A)	14
Lutensol XP 90†    	Guerbet Alcohol Ethoxylate (9 EO)	■			■	■	■	69 (A)	14.5
Lutropur MSA†    	Methanesulfonic acid in water			■			■		
Myacide GA 50†	Glutaraldehyde	■		■	■				
Myacide GDA Technical† 	Glutaraldehyde	■		■	■				
Myacide S 15†	Bronopol	■		■	■				

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients;
 ‡ = Food and Nonfood use EPA Inert Ingredients;
 = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water;
 Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution
 (c = 250g/L); For cloud point test methods, please reference the overview page.

Product	Chemical Nature	All Purpose	Bottle	CIP	OPC	Oven & Grill	Other	Cloud Point	HLB
Plurafac D 250 ⁺ 	Alcohol Alkoxylate		■	■			■	57 (A)	
Plurafac LF 120 	Alcohol Alkoxylate		■	■			■	29 (A)	
Plurafac LF 220 	Alcohol Alkoxylate		■	■			■	42 (A)	
Plurafac LF 221 	Alcohol Alkoxylate		■	■			■	34 (A)	
Plurafac LF 224 	Alcohol Alkoxylate		■	■			■		
Plurafac LF 400 ⁺ 	Alcohol Alkoxylate		■	■			■	33 (A)	
Plurafac LF 403 ⁺ 	Alcohol Alkoxylate		■	■			■		
Plurafac LF 500 ⁺ 	Alcohol Alkoxylate		■	■			■	18 (A)	
Plurafac LF 901 ⁺ 	Alcohol Alkoxylate		■	■			■	38 (A)	
Plurafac RA 300 ⁺   	Alcohol Alkoxylate		■	■			■	37 (A)	
Plurafac SL 62 ⁺  	Alcohol Alkoxylate		■	■			■	62 (A)	
Pluronic® 17 R2 ⁺    	EO/PO Block Copolymer, 20% EO		■	■			■	35 (A)	6
Pluronic 17 R4 ⁺ 	EO/PO Block Copolymer, 40% EO		■	■			■	46 (A)	12
Pluronic 25 R2 ⁺   	EO/PO Block Copolymer, 20% EO		■	■			■	29 (A)	4
Pluronic L 61 ⁺   	EO/PO Block Copolymer, 10% EO		■	■			■	24 (A)	3
Pluronic L 62 LF ⁺   	EO/PO Block Copolymer, 20% EO		■	■			■	28 (A)	7
Pluronic L 62 ⁺   	EO/PO Block Copolymer, 20% EO		■	■			■	32 (A)	7
Pluronic L 64 ⁺ 	EO/PO Block Copolymer, 40% EO		■	■			■	58 (A)	15
Pluronic 31 R1 ⁺ 	EO/PO Block Copolymer, 10% EO		■	■			■	25 (A)	1
Sokalan CP 5 Granules ⁺ 	Maleic acid/acrylic acid copolymer, sodium salt		■	■	■	■	■		
Sokalan CP 5 ⁺ 	Maleic acid/acrylic acid copolymer, sodium salt		■	■	■	■	■		

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Free of 1,4-Dioxane Solutions

**BASF HOME CARE AND I&I
SOLUTIONS NORTH AMERICA**

Free of 1,4-Dioxane*

Glucopon®	Alkyl Polyglucosides non-ionic surfactants
Lavery®	Enzymes
Lutropur®	Acids
Polyquart®	Polymers
Rheovis®	Thickening Agents
Trilon®	Chelating Agents

We offer a wide range of low-dioxane solutions and are continuously refining our processes to explore even lower dioxane levels.

For details on specific products, please contact your account representative.

* The products listed do not contain ethylene oxide, therefore no 1,4-dioxane is expected.

Product	Chemical Nature	All Purpose	Bottle	CIP	OPC	Oven & Grill	Other	Cloud Point	HLB
Sokalan PA 25 CL Granules 	Polyacrylic acid, sodium salt	■	■	■	■	■	■		
Sokalan PA 25 CL PN 	Polyacrylic acid, sodium salt, partially neutralized	■	■	■	■	■	■		
Texapon 842 UP† 	Sodium n-octyl sulfate	■	■	■	■	■	■		
Trilon B liquid†	Tetrasodium salt of EDTA	■	■	■	■	■	■		
Trilon B Powder‡	Tetrasodium salt of EDTA	■	■	■	■	■	■		
Trilon BX Liquid†	Tetrasodium salt of EDTA	■	■	■	■	■	■		
Trilon BX Powder‡ 	Tetrasodium salt of EDTA	■	■	■	■	■	■		
Trilon C Liquid 50%	Pentasodium salt of DTPA	■	■	■	■	■	■		
Trilon C liquid†	Pentasodium salt of DTPA	■	■	■	■	■	■		
Trilon G   	Aqueous solution of glutamic acid, N, N-diacetic acid, tetrasodium salt (GLDA, Na4)	■	■	■	■	■	■		
Trilon M Granules SG T†   	Trisodium salt of MGDA	■	■	■	■	■	■		
Trilon M Liquid T†   	Trisodium salt of MGDA	■	■	■	■	■	■		
Trilon M U5G 	Trisodium salt of MGDA	■	■	■	■	■	■		

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.



FOOD SERVICE & KITCHEN HYGIENE

In a busy commercial kitchen, reliability is essential. Kitchen professionals need cleaning solutions for surfaces and dishwashers that perform consistently and support hygienic outcomes. BASF offers a

portfolio of ingredients for food service and kitchen hygiene designed to help formulators develop products that deliver dependable cleaning and drying performance for dishes and plasticware, batch after batch.

Product	Chemical Nature	Floor	Oven & Grill	Manual Dish	Rinse Aid	Ware Wash	Other	Cloud Point	HLB
APG® 325 UP†	Decyl/Undecyl Glucoside	■	■	■	■		■		
Comperlan® 100 NA	Cocamide MEA		■	■					
Dehypon GRA	Modified Fatty Alcohol Polyglycoether				■			17 (E)	
Dehypon LS 36†	C12-14 Fatty Alcohol (3EO) & 6PO				■			11 (A)	9
Dehypon LS 54†	C12-14 Fatty Alcohol (5EO) & 4PO				■			30 (A)	14.5
Dehypon LT 104	C12-18 Fatty Alcohol (10EO) & n-butyl end-capped				■			26 (A)	14.5
Deriphat 160 C†	Sodium lauriminodipropionate	■	■	■			■		
Glucopon 215 UP†	Caprylyl/Decyl Glucoside	■	■	■			■		
Glucopon 225 DK†	Caprylyl/Decyl Glucoside	■	■	■			■		
Glucopon 420 UP†	Caprylyl/Myristyl Glucoside	■	■	■			■		

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients; = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water;
 Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Product	Chemical Nature							Cloud Point	HLB
		Floor	Oven & Grill	Manual Dish	Rinse Aid	Ware Wash	Other		
Glucopon 425 N†  	Caprylyl/Myristyl Glucoside	■	■	■			■		
Glucopon 50 G†  	Lauryl/Myristyl Glucoside (and) Sodium Sulfate (and) Sodium Silicate (and) Sodium Coco Sulfate	■	■						
Klearfac AA 270† 	Phosphate Ester	■	■						
Lavergy A Star 100 L	Amylase			■		■			
Lavergy L Pace 100 L	Lipase	■							
Lavergy Pro 106 L 	Protease (unstabilized)			■		■			
Lavergy Pro 106 LS	Protease (stabilized)			■		■			
Lavergy Pro 114 LS 	Protease (non-boron stabilized)			■		■			
Lutensol A 65 N‡	C12-14 Fatty Alcohol (6.5 EO)	■					■	50 (A)	12
Lutensol LA 60‡	C12-14 Fatty Alcohol (7 EO)	■					■	60 (A)	12
Lutensol TDA 10‡  	Tridecyl Alcohol Ethoxylate (10 EO)	■					■	82 (A)	14
Lutensol TDA 9‡  	Tridecyl Alcohol (9 EO)	■					■	58 (A)	13
Lutensol TO 8‡  	C13 Oxo Alcohol (8 EO)	■					■	60 (A)	13
Lutensol XL 70‡  	Guerbet Alcohol Alkoxylate (7 EO)	■					■	68 (E)	12.5
Lutensol XL 79‡  	Guerbet Alcohol Alkoxylate (7 EO)	■					■	68 (E)	12.5
Lutensol XL 80‡  	Guerbet Alcohol Alkoxylate (8 EO)	■					■	56 (A)	13
Lutensol XL 90‡  	Guerbet Alcohol Alkoxylate (9 EO)	■					■	69 (A)	14
Lutensol XP 70‡  	Guerbet Alcohol Ethoxylate (7 EO)	■					■	52 (A)	13
Lutensol XP 79‡  	Guerbet Alcohol Ethoxylate (7 EO)	■					■	52 (A)	13
Lutensol XP 80‡   	Guerbet Alcohol Ethoxylate (8 EO)	■					■	56 (A)	14
Lutensol XP 89‡   	Guerbet Alcohol Ethoxylate (8 EO)	■					■	56 (A)	14

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Product	Chemical Nature	Application						Cloud Point	HLB
		Floor	Oven & Grill	Manual Dish	Rinse Aid	Ware Wash	Other		
Lutensol XP 90 [†]	Guerbet Alcohol Ethoxylate (9 EO)	■					■	69 (A)	14.5
Lutropur MSA [‡]	Methanesulfonic acid in water				■		■		
Myacide GA 50 [†]	Glutaraldehyde			■	■				
Myacide GDA Technical [†]	Glutaraldehyde			■	■				
Myacide S 15 [†]	Bronopol			■	■				
Plurafac D 250 [†]	Alcohol Alkoxylate				■			57 (A)	
Plurafac LF 224	Alcohol Alkoxylate				■				
Plurafac LF 303 [†]	Alcohol Alkoxylate				■				
Plurafac LF 400 [†]	Alcohol Alkoxylate				■			33 (A)	
Plurafac LF 403 [†]	Alcohol Alkoxylate				■				
Plurafac LF 431	Alcohol Alkoxylate & End Capped				■				
Plurafac LF 901 [†]	Alcohol Alkoxylate				■			38 (A)	
Plurafac LF RA-P [†]	Alcohol Alkoxylate				■				
Plurafac RA 300 [†]	Alcohol Alkoxylate				■			37 (A)	
Plurafac S 305 LF [†]	Alcohol Alkoxylate				■			19 (A)	
Plurafac S 405 LF [†]	Alcohol Alkoxylate				■			28 (A)	
Plurafac S 505 LF [†]	Alcohol Alkoxylate				■			47 (A)	
Plurafac SL 62 [†]	Alcohol Alkoxylate				■			62 (A)	
Plurafac SLF 180 [†]	Alcohol Alkoxylate				■			18 (A)	
Pluriol E 4000 FL [†]	Polyethylene glycol						■		
Pluriol E 8000 E [†]	Polyethylene glycol						■		
Pluronic 17 R2 [‡]	EO/PO Block Copolymer, 20% EO				■			35 (A)	6

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients; = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.



Plurafac[®]

Low Foaming Surfactants

The Plurafac Line includes a wide range of products to help with foam control and drying speed. For example, Plurafac SLF 180 and LF 220 are special alkoxylates that remain stable and retain

- **Foaming & Defoaming Capabilities**
- **Wetting Characteristics**
- **Cleaning Performance**
- **Stability in High Alkaline Environments**
- **Faster drying capabilities**

their defoaming action. This versatility and reliability make the Plurafac line a valuable choice for achieving high standards of cleanliness and efficiency in food service and hygiene applications.

Product	Chemical Nature	Floor	Oven & Grill	Manual Dish	Rinse Aid	Ware Wash	Other	Cloud Point	HLB
Pluronic 17 R4 [†] 	EO/PO Block Copolymer, 40% EO				■			46 (A)	12
Pluronic 25 R2 [†]   	EO/PO Block Copolymer, 20% EO				■			29 (A)	4
Pluronic 31 R1 [†] 	EO/PO Block Copolymer, 10% EO				■			25 (A)	1
Pluronic N 3 [†]  	EO/PO Block Copolymers				■			31 (A)	16
Sokalan CP 5 Granules [†] 	Maleic acid/acrylic acid copolymer, sodium salt	■	■			■	■		
Sokalan CP 5 [†] 	Maleic acid/acrylic acid copolymer, sodium salt	■	■			■	■		
Sokalan CP 9 [†]	Maleic acid/olefin copolymer, sodium salt	■	■			■	■		
Sokalan PA 25 CL Granules	Polyacrylic acid, sodium salt	■	■			■	■		
Sokalan PA 25 CL PN [†] 	Polyacrylic acid, sodium salt, partially neutralized	■	■			■	■		
Texapon 842 UP [†]   	Sodium n-octyl sulfate	■	■		■				
Trilon B liquid [†]	Tetrasodium salt of EDTA	■	■			■			
Trilon B Powder [†]	Tetrasodium salt of EDTA	■	■			■			
Trilon BX Liquid [†]	Tetrasodium salt of EDTA	■	■			■			
Trilon BX Powder [†] 	Tetrasodium salt of EDTA	■	■			■			
Trilon C Liquid 50%	Pentasodium salt of DTPA	■	■			■			
Trilon C liquid [†]	Pentasodium salt of DTPA	■	■			■			
Trilon G   	Aqueous solution of glutamic acid, N, N-diacetic acid, tetrasodium salt (GLDA, Na4)	■	■			■			
Trilon M Granules SG T [†]   	Trisodium salt of MGDA	■	■			■			
Trilon M Liquid T [†]   	Trisodium salt of MGDA	■	■			■			
Trilon M U5G 	Trisodium salt of MGDA	■	■			■			

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water;
 Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.



INSTITUTIONAL CLEANING

Effective detergency is crucial for achieving high standards of cleanliness and efficiency in schools, hospitals, and other large facilities. BASF's portfolio is uniquely positioned to meet the diverse needs of the institutional cleaning market by offering solutions that ensure superior

performance, disinfection compatibility, regulatory compliance, operational efficiencies, and adaptability to the evolving sustainability landscape. BASF can help make your products the ones institutions rely on.

Product	Chemical Nature	All Purpose	Carpet	Floor	Glass	Bathroom / Toilet	Other	Cloud Point	HLB
APG 325 UP†   	Decyl/Undecyl Glucoside	■	■	■	■	■	■		
Demelan® VPC† 	Blend of ethoxylated fatty amines and ethoxylated fatty alcohols					■			
Deriphat 160 C†   	Sodium lauriminodipropionate	■	■			■			
Glucopon 215 UP†   	Caprylyl/Decyl Glucoside	■	■	■	■	■	■		
Glucopon 225 DK†   	Caprylyl/Decyl Glucoside	■	■	■	■	■	■		
Glucopon 420 UP†   	Caprylyl/Myristyl Glucoside	■	■	■	■	■	■		
Glucopon 50 G†   	Lauryl/Myristyl Glucoside (and) Sodium Sulfate (and) Sodium Silicate (and) Sodium Coco Sulfate	■	■	■	■	■	■		
Klearfac AA 270† 	Phosphate Ester	■		■			■		
Lavery L Pace 100 L	Lipase			■					

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Product	Chemical Nature							Cloud Point	HLB
		All Purpose	Carpet	Floor	Glass	Bathroom / Toilet	Other		
Lutensol LA 60 ⁺ 	C12-14 Fatty Alcohol (7 EO)	■	■		■	■	■	60 (A)	12
Lutensol TDA 10 ⁺ 	Tridecyl Alcohol Ethoxylate (10 EO)	■	■		■	■	■	82 (A)	14
Lutensol TDA 9 ⁺ 	Tridecyl Alcohol (9 EO)	■	■		■	■	■	58 (A)	13
Lutensol TO 8 ⁺ 	C13 Oxo Alcohol (8 EO)	■	■		■	■	■	60 (A)	13
Lutensol XL 70 ⁺ 	Guerbet Alcohol Alkoxylate (7 EO)	■	■		■	■	■	68 (E)	12.5
Lutensol XL 79 ⁺ 	Guerbet Alcohol Alkoxylate (7 EO)	■	■		■	■	■	68 (E)	12.5
Lutensol XL 80 ⁺ 	Guerbet Alcohol Alkoxylate (8 EO)	■	■		■	■	■	56 (A)	13
Lutensol XL 90 ⁺ 	Guerbet Alcohol Alkoxylate (9 EO)	■	■		■	■	■	69 (A)	14
Lutensol XP 70 ⁺ 	Guerbet Alcohol Ethoxylate (7 EO)	■	■		■	■	■	52 (A)	13
Lutensol XP 79 ⁺ 	Guerbet Alcohol Ethoxylate (7 EO)	■	■		■	■	■	52 (A)	13
Lutensol XP 80 ⁺ 	Guerbet Alcohol Ethoxylate (8 EO)	■	■		■	■	■	56 (A)	14
Lutensol XP 89 ⁺ 	Guerbet Alcohol Ethoxylate (8 EO)	■	■		■	■	■	56 (A)	14
Lutensol XP 90 ⁺ 	Guerbet Alcohol Ethoxylate (9 EO)	■	■		■	■	■	69 (A)	14.5
Lutropur MSA [†] 	Methanesulfonic acid in water					■			
Myacide GA 50 [†] 	Glutaraldehyde	■	■	■	■		■		
Myacide GDA Technical [†] 	Glutaraldehyde	■	■	■	■		■		
Myacide S 15 [†]	Bronopol	■	■	■	■		■		
Polyquart® PN 60	Polyethyleneimine, modified	■			■		■		
Texapon 842 UP [†] 	Sodium n-octyl sulfate	■	■	■	■	■	■		
Trilon B liquid [‡]	Tetrasodium salt of EDTA	■	■	■	■		■		
Trilon B Powder [‡]	Tetrasodium salt of EDTA	■	■	■	■		■		
Trilon BX Liquid [‡]	Tetrasodium salt of EDTA	■	■	■	■		■		

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water;
Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Product	Chemical Nature		All Purpose	Carpet	Floor	Glass	Bathroom / Toilet	Other	Cloud Point	HLB
Trilon BX Powder† 	Tetrasodium salt of EDTA		■	■	■	■		■		
Trilon C Liquid 50%	Pentasodium salt of DTPA		■	■	■	■		■		
Trilon C liquid†	Pentasodium salt of DTPA		■	■	■	■		■		
Trilon G   	Aqueous solution of glutamic acid, N, N-diacetic acid, tetrasodium salt (GLDA, Na4)		■	■	■	■	■	■		
Trilon M Granules SG T†   	Trisodium salt of MGDA		■	■	■	■	■	■		
Trilon M Liquid T†   	Trisodium salt of MGDA		■	■	■	■	■	■		
Trilon M U5G 	Trisodium salt of MGDA		■	■	■	■	■	■		

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients;
 ‡ = Food and Nonfood use EPA Inert Ingredients;
 = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water;
 Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution
 (c = 250g/L); For cloud point test methods, please reference the overview page.

Trilon® Chelating Agents

In industrial and institutional cleaning, performance and consistency are non-negotiable. Chelating agents are the key to consistent cleaning performance, increased shelf life, and equipment longevity. These specialized molecules bind to metal ions—like iron, copper, and calcium (commonly found in hard water and industrial soils)—that can otherwise catalyze unwanted reactions such as oxidation, discoloration, or degradation of active ingredients.

These metal ions can interfere with surfactants, reduce cleaning efficiency, and cause scale or residue buildup on surfaces and equipment. By sequestering these ions, chelating agents enhance the effectiveness of cleaning agents, prevent redeposition, and help maintain equipment longevity. For formulators in the I&I sector, incorporating the right chelating agents means delivering reliable, high-performance cleaning solutions across a wide range of challenging environments.

	Trilon B Liquid	Trilon B Powder	Trilon BX Liquid	Trilon BX Powder	Trilon C Liquid 50%	Trilon C Liquid	Trilon D Liquid	Trilon M Granules SG T	Trilon M Liquid T	Trilon G Liquid
Chemical Nature	Tetrasodium Salt of EDTA		Tetrasodium Salt of EDTA (Low NTA)		Pentasodium Salt of DTPA		Trisodium Salt of HEDTA	Trisodium Salt of MGDA		Tetrasodium Salt of GLDA-Na4
Physical Form	Liquid	Powder	Liquid	Powder	Liquid	Liquid	Liquid	Granules	Liquid	Liquid
Active Matter [%]	40	87	40	84	50	40	40	min. 76	40	47
pH [1% in dist. Water]	11.5	11.5	11.5	11.2	11.5	11.5	11.5	11.5	11	11
Density 20 °C [g/cm3]	1.31		1.28		1.35	1.29		1.31		1.38
Bulk Density [g/L]		690		845				775		
% Biobased Carbon								43	43	56
Biodegradability Level²	Partially Biodegradable	Partially Biodegradable	Partially Biodegradable	Partially Biodegradable	Partially Biodegradable	Partially Biodegradable	Partially Biodegradable	Readily Biodegradable	Readily Biodegradable	Readily Biodegradable
Safer Choice								■	■	■
Nonfood use EPA Inert Ingredients						■	■	■	■	
Food and Nonfood use EPA Inert Ingredients	■	■	■	■						
Direct Release								■	■	■

❖ For definitions and test method details, refer to the overview page.

Application by Metal and pH

Metal to be controlled	High Acidic				Low Acidic			Low Alkaline				High Alkaline			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Divalent (Ba ²⁺ , Cd ²⁺ , Co ²⁺ , Cu ²⁺ , Fe ²⁺ , Hg ²⁺ , Mn ²⁺ , Ni ²⁺ , Pb ²⁺ , Sr ²⁺ , Zn ²⁺)	No chelating agents applicable				Trilon M			Trilon B, Trilon C, Trilon M, Trilon G							
Water Hardness (Ca ²⁺ , Mg ²⁺)	No chelating agents applicable				Trilon M			Trilon B, Trilon C, Trilon M, Trilon G							
Iron Control (Fe ²⁺)	Trilon B, Trilon C							Trilon D				No chelating agents applicable			



VEHICLE & TRANSPORTATION

BASF's vehicle and transportation care portfolio delivers high-performance cleaning with efficiency at its core. Our fast-drying and high-foaming products help save time and water by supporting quick, thorough results while minimizing surface damage. Additionally, our products approved for direct release can help your formulations meet strict environmental standards—achieving standout results with potential to streamline the regulatory approval process and lower environmental impact.

Product	Chemical Nature	Cloud Point	HLB	Vehicle																	
				Acid Pre-Soak	Aluminum Brightener	Box Car	Bug & Tar Remover	Degreaser	Detergents	Hard Water Spot Remover	Leather & Vinyl	Locomotive	Polish	Tire	Trailer	Wax & Rinse Aid	Bldge	Deck	Glass	Hull	Leather & Vinyl
APG 325 UP† 	Decyl/Undecyl Glucoside				■	■	■	■		■							■	■	■		
Comperlan 100 NA 	Cocamide MEA						■														
Dehypound VTS 	Proprietary Nonionic Surfactant									■	■	■	■								■
Dehyton® PK 45† 	Cocamidopropyl betaine							■													
Deriphat 160 C† 	Sodium laurimidopropionate			■	■			■	■	■											
Glucopon 215 UP† 	Caprylyl/Decyl Glucoside				■	■	■	■		■		■					■	■	■		
Glucopon 225 DK† 	Caprylyl/Decyl Glucoside				■	■	■	■		■		■					■	■	■		
Glucopon 420 UP† 	Caprylyl/Myristyl Glucoside				■	■	■	■		■		■					■	■	■		
Glucopon 425 N† 	Caprylyl/Decyl Glucoside				■	■	■	■		■		■					■	■	■		
Glucopon 480 UP† 	Caprylyl/Decyl Glucoside				■	■	■	■		■		■					■	■	■		

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Product	Chemical Nature	Cloud Point	HLB	Vehicle										Marine							
				Acid Pre-Soak	Aluminum Brightener	Box Car	Bug & Tar Remover	Degreaser	Detergents	Hard Water Spot Remover	Leather & Vinyl	Locomotive	Polish	Tire	Trailer	Wax & Rinse Aid	Blidge	Deck	Glass	Hull	Leather & Vinyl
Glucopon 50 G [†]	Lauryl/Myristyl Glucoside (and) Sodium Sulfate (and) Sodium Silicate (and) Sodium Coco Sulfate			■	■	■	■	■		■		■		■	■	■	■				
Glucopon 600 UP [†]	Lauryl/Myristyl Glucoside			■	■	■	■	■		■		■		■	■	■	■				
Glucopon 625 UP [†]	Lauryl/Myristyl Glucoside			■	■	■	■	■		■		■		■	■	■	■				
Klearfac AA 270 [†]	Phosphate Ester			■	■	■	■	■		■		■				■					
Lutensol LA 60 [†]	C12-14 Fatty Alcohol (7 EO) 60 (A) 12																				
Lutensol TDA 10 [†]	Tridecyl Alcohol Ethoxylate (10 EO)	82 (A) 14																			
Lutensol XL 90 [†]	Guerbet Alcohol Alkoxyate (9 EO)	69 (A) 14		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Lutropur MSA [†]	Methanesulfonic acid in water																				
Myacide GA 50 [†]	Glutaraldehyde						■	■	■	■		■	■	■	■	■	■	■	■	■	
Myacide GDA Technical [†]	Glutaraldehyde						■	■	■	■		■	■	■	■	■	■	■	■	■	
Myacide S 15 [†]	Bronopol						■	■	■	■		■	■	■	■	■	■	■	■	■	
Rheovis AT 120 [†]	Methacrylic acid/acrylic acid ester copolymer, modified											■	■	■						■	■
Trilon B liquid [‡]	Tetrasodium salt of EDTA			■	■	■	■	■		■	■		■		■	■	■	■	■	■	
Trilon B Powder [‡]	Tetrasodium salt of EDTA			■	■	■	■	■		■	■		■		■	■	■	■	■	■	
Trilon BX Liquid [‡]	Tetrasodium salt of EDTA			■	■	■	■	■		■	■		■		■	■	■	■	■	■	
Trilon BX Powder [‡]	Tetrasodium salt of EDTA			■	■	■	■	■		■	■		■		■	■	■	■	■	■	
Trilon C Liquid 50%	Pentasodium salt of DTPA			■	■	■	■	■		■	■		■		■	■	■	■	■	■	

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients; = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.



Direct Release Ingredients under EPA's Safer Choice Program



Direct Release is an additional distinction under the EPA's Safer Choice program for products intended for outdoor use that may enter the environment without passing through sewage treatment.

BASF offers ingredients that meet the EPA's Safer Choice criteria for Direct Release formulations. To qualify, all ingredients, including surfactants, solvents, and preservatives, must meet specific thresholds, such as having acute aquatic toxicity values greater than 10 mg/L. These standards help ensure that products used in sensitive outdoor environments minimize potential harm to aquatic ecosystems.

Products certified under this category may be eligible to include a “certified for outdoor use” label on the Safer Choice label, subject to EPA approval.

See  icon and full list on pages 66-67.

Sustainability meets performance



BASF Industrial & Institutional Product Guide for USA & Canada

INDUSTRIAL CLEANING

BASF offers chemicals for industrial cleaning that ensure superior hygiene, efficiency, and safety. Our portfolio of advanced surfactants, acids, and specialty chemicals are designed to tackle tough industrial soils and contaminants and can help fight corrosion and protect a variety of surfaces. By choosing BASF, industrial environments can achieve high standards of cleanliness while helping with safeguarding their equipment and infrastructure from corrosion and wear.

Product	Chemical Nature	Cloud Point	HLB	Abrasive Cleaners & Polishes	Corrosion Inhibitors	Degreasers	Demulsifier	Drum Wash Detergents	Electronic & Circuit Board Cleaners	Floor Cleaners	General Purpose Cleaners	Hand Cleaners	Heavy Duty Degreasers	Metal Surface Cleaning	Parts Washer Detergent	Passivators	Phosphatizers	Power Washer Detergents	Rust Preventives
APG 325 UP [†]	Decyl/Undecyl Glucoside			■	■	■	■	■	■	■	■	■	■	■	■			■	
Comperlan 100 NA	Cocamide MEA			■									■	■	■				
Dehypon LS 54 [†]	C12-14 Fatty Alcohol (5EO) & 4PO	30 (A)	14.5			■									■	■			
Deriphat 160 C [†]	Sodium lauriminodipropionate				■	■	■	■	■	■	■	■	■	■					■
Glucopon 215 UP [†]	Caprylyl/Decyl Glucoside			■		■	■	■	■	■	■	■	■	■					
Glucopon 225 DK [†]	Caprylyl/Decyl Glucoside			■		■	■	■	■	■	■	■	■	■					
Glucopon 420 UP [†]	Caprylyl/Myristyl Glucoside			■		■	■	■	■	■	■	■	■	■					
Glucopon 425 N [†]	Caprylyl/Myristyl Glucoside			■		■	■	■	■	■	■	■	■	■					
Glucopon 50 G [†]	Lauryl/Myristyl Glucoside (and) Sodium Sulfate (and) Sodium Silicate (and) Sodium Coco Sulfate					■	■	■	■	■	■	■	■	■					

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients; = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Product	Chemical Nature	Cloud Point	HLB	Applications													
				Abrasive Cleaners & Polishes	Corrosion Inhibitors	Degreasers	Demulsifier	Drum Wash Detergents	Electronic & Circuit Board Cleaners	Floor Cleaners	General Purpose Cleaners	Hand Cleaners	Heavy Duty Degreasers	Metal Surface Cleaning	Parts Washer Detergent	Passivators	Phosphatizers
Klearfac AA 270 [†]	Phosphate Ester			■	■	■	■	■	■	■	■	■	■	■	■	■	■
Korantin® MAT	Aliphatic dicarboxylic acid monoalkylamide in triethanolamine			■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol A 65 N [‡]	C12-14 Fatty Alcohol (6.5 EO)	50 (A)	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol CS 6250 [‡]	Alcohol Ethoxylate	>100 (A)	0	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol LA 60 [‡]	C12-14 Fatty Alcohol (7 EO)	60 (A)	12	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol TDA 9 [‡]	Tridecyl Alcohol (9 EO)	58 (A)	13	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol TO 8 [‡]	C13 Oxo Alcohol (8 EO)	60 (A)	13	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol XL 70 [‡]	Guerbet Alcohol Alkoxylate (7 EO)	68 (E)	12.5	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol XL 79 [‡]	Guerbet Alcohol Alkoxylate (7 EO)	68 (E)	12.5	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol XL 80 [‡]	Guerbet Alcohol Alkoxylate (8 EO)	56 (A)	13	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol XL 90 [‡]	Guerbet Alcohol Alkoxylate (9 EO)	69 (A)	14	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol XP 70 [‡]	Guerbet Alcohol Ethoxylate (7 EO)	52 (A)	13	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol XP 79 [‡]	Guerbet Alcohol Ethoxylate (7 EO)	52 (A)	13	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol XP 80 [‡]	Guerbet Alcohol Ethoxylate (8 EO)	56 (A)	14	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutensol XP 89 [‡]	Guerbet Alcohol Ethoxylate (8 EO)	56 (A)	14	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients; = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Product	Chemical Nature	Cloud Point		Applications															
		(A)	(E)	Abrasive Cleaners & Polishes	Corrosion Inhibitors	Degreasers	Demulsifier	Drum Wash Detergents	Electronic & Circuit Board Cleaners	Floor Cleaners	General Purpose Cleaners	Hand Cleaners	Heavy Duty Degreasers	Metal Surface Cleaning	Parts Washer Detergent	Passivators	Phosphatizers	Power Washer Detergents	Rust Preventives
Lutensol XP 90 ⁺	Guerbet Alcohol Ethoxylate (9 EO)	69 (A)	14.5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Lutropur MSA [†]	Methanesulfonic acid in water				■					■		■		■		■	■	■	■
Myacide GA 50 [†]	Glutaraldehyde			■															
Myacide GDA Technical [†]	Glutaraldehyde			■															
Myacide S 15 [†]	Bronopol			■															
Plurafac D 250 [†]	Alcohol Alkoxylate	57 (A)			■			■		■		■	■	■	■			■	
Plurafac RA 300 [†]	Alcohol Alkoxylate	37 (A)			■			■		■		■	■	■				■	
Plurafac S 505 LF [†]	Alcohol Alkoxylate	47 (A)			■			■		■		■	■	■				■	
Plurafac SL 62 [†]	Alcohol Alkoxylate	62 (A)			■			■		■		■	■	■				■	
Pluronic 17 R2 [†]	EO/PO Block Copolymer, 20% EO	35 (A)	6		■			■		■		■		■				■	
Pluronic 17 R4 [†]	EO/PO Block Copolymer, 40% EO	46 (A)	12		■			■		■		■		■				■	
Pluronic 25 R2 [†]	EO/PO Block Copolymer, 20% EO	29 (A)	4			■												■	
Pluronic L 61 [†]	EO/PO Block Copolymer, 10% EO	24 (A)	3		■			■		■		■		■				■	
Pluronic L 62 LF [†]	EO/PO Block Copolymer, 20% EO	28 (A)	7		■			■		■		■		■				■	
Pluronic L 62 [†]	EO/PO Block Copolymer, 20% EO	32 (A)	7		■			■		■		■		■				■	
Pluronic L 64 [†]	EO/PO Block Copolymer, 40% EO	58 (A)	15		■	■		■		■		■		■				■	

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients; = Direct Release; HLB = Hydrophilic-lipophilic balance;

Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.



Lutensol® Surfactants

Where efficiency and sustainability meet

Lutensol XL and Lutensol XP offer fast-acting wetting performance, a diverse foaming profile, and environmental compatibility – making them an excellent choice of surfactant for cleaning formulations

1

Alcohol Ethoxylate and NPE Alternatives

Lutensol XL and XP offer superior performance to Alcohol Ethoxylates and are a suitable alternative to NPEs

2

Versatility

Lutensol XP and XL can be used in a wide range of applications including hard surface cleaning, laundry detergents, and dishwashing liquids.

3

Foaming Profile

Wide selection of foaming profiles ranging from high to low foam.

4

Environmental Compatibility

Designed to be environmentally friendly. They are biodegradable* and select grades are Safer Choice and Direct Release approved.

5

Cost Effective

Their high efficiency may lower the material required to achieve the desired cleaning performance.

6

Ingredient Compatibility

Lutensol XP and XL surfactants are compatible with a range of other ingredients used in I&I formulations.

❖ For definitions and test methods, refer to the overview page.

Safer Chemical Ingredient List

The Safer Chemical Ingredients List (SCIL) is a resource developed by the U.S. Environmental Protection Agency (EPA) under its Safer Choice program. It includes chemical ingredients that have been evaluated and determined to meet the program's rigorous criteria for human health and environmental safety, based on their functional use class. The SCIL helps manufacturers identify safer alternatives for use in product formulations.

CleanGredients is a third-party database that supports the Safer Choice program by listing chemical ingredients that have been reviewed by qualified profilers and determined to meet Safer Choice criteria.



BASF maintains a portfolio of over 90 chemical ingredients currently listed on the CleanGredients database, reflecting its commitment to supporting safer chemistry and enabling customers to develop products that meet Safer Choice standards.

ACIDS

Trade Name	Chemical Nature
Lutropur MSA [†]	Methane Sulfonic Acid

CHELATING AGENTS

Trade Name	Chemical Nature
Trilon M Liquid T [†]	Trisodium salt of MGDA
Trilon M U5G	Trisodium salt of MGDA
Trilon G	Aqueous solution of glutamic acid, N, N-diacetic acid, tetrasodium salt (GLDA, Na4)

ENZYMES

Trade Name	Chemical Nature
Laverly A Star 100 L	Amylase
Laverly C Care 100 L	Care cellulase
Laverly C Bright 100 L	Cellulase
Laverly L Pace 100 L	Lipase
Laverly Pro 106 L	Protease (unstabilized)
Laverly Pro 114 LS	Protease (non-boron stabilized)

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients; = Direct Release; HLB = Hydrophilic-lipophilic balance;

NONIONIC SURFACTANTS

Trade Name	Chemical Nature
APG 325 UP [†]	Decyl/Undecyl Glucoside
Dehypon LS 36 [†]	C12-14 Fatty Alcohol (3 EO & 6PO)
Dehypon LS 54 [†]	C12-14 Fatty Alcohol (5 EO & 4PO)
Dehypon LT 104	C12-18 Fatty Alcohol (10 EO) & n-butyl end-capped
Dehypond VTS	Proprietary Nonionic Surfactant
Glucopon 50 G [†]	Lauryl/Myristyl Glucoside (and) Sodium Sulfate (and) Sodium Silicate (and) Sodium Coco Sulfate
Glucopon 215 UP [†]	Caprylyl/Decyl Glucoside
Glucopon 225 DK [†]	Caprylyl/Decyl Glucoside
Glucopon 420 UP [†]	Caprylyl/Myristyl Glucoside
Glucopon 600 UP [†]	Lauryl/Myristyl Glucoside
Glucopon 625 UP [†]	Lauryl/Myristyl Glucoside
Lutensol LA 60 [†]	C12-C14 Fatty Alcohol (7 EO)
Lutensol XL 70 [†]	Guerbet Alcohol Alkoxyolate (7 EO)
Lutensol XL 79 [†]	Guerbet Alcohol Alkoxyolate (7 EO)
Lutensol XL 90 [†]	Guerbet Alcohol Alkoxyolate (9 EO)
Lutensol XP 80 [†]	Guerbet Alcohol Ethoxyolate (8 EO)
Lutensol XP 89 [†]	Guerbet Alcohol Ethoxyolate (8 EO)

Cloud Point (Method A) = 1g active surfactant + 100g water;
 Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Safer Chemical Ingredients List

Trade Name	Chemical Nature
Lutensol XP 90 [†]    	Guerbet Alcohol Ethoxylate (9 EO)
Plurafac RA 300 [‡]  	Alcohol Alkoxylate
Plurafac S 405 LF [‡]  	Alcohol Alkoxylate
Plurafac SLF 180 [‡]  	Alcohol Alkoxylate
Pluronic 17R2 [‡]   	EO/PO Block Copolymer, 20% EO
Pluronic 25R2 [‡]   	EO/PO Block Copolymer, 40% EO
Pluronic L 61 [‡]   	EO/PO Block Copolymer, 10% EO
Pluronic L 62 LF [‡]   	EO/PO Block Copolymer, 20% EO
Pluronic L 64 [‡]  	EO/PO Block Copolymer, 40% EO
Pluronic N 3 [‡]   	EO/PO Block Copolymers

OTHER SURFACTANTS

Trade Name	Chemical Nature
Dehyton PK 45 [†]  	Cocamidopropyl betaine
Deriphat 160 C [†]  	Sodium lauriminodipropionate

POLYALKYLENE GLYCOLS

Trade Name	Chemical Nature
Pluriol E 8000 E [†] 	Polyethylene Glycol

Ask your **BASF representative** if you do not see a product that you are interested in.

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance; Cloud Point (Method A) = 1g active surfactant + 100g water; Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.



Safer Choice cleaning ingredients are evaluated by the EPA to ensure they meet stringent criteria for human health and the environment.

Direct Release Product List

Products approved for Direct Release must meet the additional environmental criteria established by the EPA's Safer Choice program.

Products intended for use outdoors are likely to bypass sewage treatment, limiting the time for degradation prior to entering sensitive environments. Ingredients used in such products must meet additional criteria. Any ingredients (including surfactants, preservatives, solvents, etc.) that have aquatic toxicity values <10 mg/L are not allowed in Safer Choice Direct Release products.

ACIDS

Trade Name	Chemical Nature
------------	-----------------

Lutropur MSA[†]   

Methane Sulfonic Acid

CHELATING AGENTS

Trade Name	Chemical Nature
------------	-----------------

Trilon M Granules SG T[†]   

Trisodium salt of MGDA

Trilon M Liquid T[†]   

Trisodium salt of MGDA

Trilon G   

Aqueous solution of glutamic acid, N, N-diacetic acid, tetrasodium salt (GLDA, Na4)

ANIONIC SURFACTANTS

Trade Name	Chemical Nature
------------	-----------------

Texapon 842 UP[†]   

Sodium n-octyl sulfate

NONIONIC SURFACTANTS

Trade Name	Chemical Nature
------------	-----------------

APG 325 UP[†]   

Decyl/Undecyl Glucoside

Glucopon 215 UP[†]   

Caprylyl/Decyl Glucoside

Note: * = Concentration listed as active basis; † = Nonfood use EPA Inert Ingredients; ‡ = Food and Nonfood use EPA Inert Ingredients;  = Direct Release; HLB = Hydrophilic-lipophilic balance;



These standards help ensure that products used in sensitive outdoor environments minimize potential harm to aquatic ecosystems.

Trade Name	Chemical Nature
------------	-----------------

Glucopon 225 DK[†]   

Caprylyl/Decyl Glucoside

Lutensol CS 6250[†]   

Alcohol Ethoxylate

Lutensol XP 80[†]   

Guerbet Alcohol Ethoxylate (8 EO)

Lutensol XP 89[†]   

Guerbet Alcohol Ethoxylate (8 EO)

Lutensol XP 90[†]   

Guerbet Alcohol Ethoxylate (9 EO)

Pluronic 17R2[†]   

EO/PO Block Copolymer

Pluronic 25R2[†]   

EO/PO Block Copolymer

Pluronic L 61[†]   

EO/PO Block Copolymer

Pluronic L 62 LF[†]   

EO/PO Block Copolymer

Pluronic N 3[†]   

EO/PO Block Copolymer

Ask your **BASF representative** if you do not see a product that you are interested in.

Cloud Point (Method A) = 1g active surfactant + 100g water;
Cloud Point (Method E) = 5g surfactant + 25g of diethylene glycol monobutyl ether solution (c = 250g/L); For cloud point test methods, please reference the overview page.

Disclaimer

This document, or any answers or information provided herein by BASF, does not constitute a legally binding obligation of BASF. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation.

No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale.

Safety

We know of no ill effects that could have resulted from using our products for the purpose for which they are intended and from processing them in accordance with current practice. According to the experience we have gained up to now and other information at our disposal, our products do not exert any harmful effects on health; provided, that they are used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our safety data sheet are observed.

Labeling

Details about the classification and labeling of our products and further advice on safe handling are contained in the current safety data sheets.

® = Registered Trademark of BASF in many countries

TM = Trademark of BASF

BASF CORPORATION

07932 Florham Park, NJ

USA

Phone: 1 973 245 6000

Website: care360.basf.com