

Delivering the future of Clean



BASF HOME CARE AND I&I 2022 GUIDE TO SUSTAINABLE INGREDIENTS



 **BASF**

We create chemistry



**SAFER
CHOICE**

**U.S. EPA
PARTNER
OF THE YEAR**

2021

Overview

Inside this guide to our sustainable products, you'll see just how biobased, biodegradable, and safer choice certified our ingredient portfolio is!

We are constantly adding to this list; therefore, consider this to be a chapter on part of our committed journey.

We didn't get this far by walking alone. We would like to thank our customers, suppliers and friends for the ongoing partnership that allow these achievements to happen.

We believe that a world with more efficient and safer chemicals is a better world for all. Our commitment to the industry, to society and to the environment has been translated into initiatives like developing a biobased, biodegradable and listed on CleanGredients portfolio of chelating agents, processing aids and additives, surfactants, plasticizers and solvents, and enzymes.

This document is to be used as a reference for sustainability. Please refer to our full Product Range Card and 1-4, Dioxane Brochure for further product information. Product Prop 65 statements are also available upon request.

DEFINITIONS

While definitions of biodegradable and biobased may differ across the industry, we want to share with you just how we identify our products so you can make the most informed decisions for your formulations.

Biobased:

Ingredients are considered biobased if they have biologically-based carbon molecules. Percentages of biobased carbon are approximate. If you would like further information on the biobased content, please reach out to us directly.

Biodegradable:

Ingredients are considered biodegradable if they can naturally decay at a certain ratio. There are five categories of biodegradability. In this brochure those products that are Readily Biodegradable are listed.

- RB: Readily Biodegradable by OECD criteria ($\geq 60\%$ in 10-day window)
- UB: Readily Biodegradable ($\geq 60\%$ in 28 days)
- MB: Moderately Biodegradable ($>20\text{--}60\%$ in 28 days)
- PB: Poorly Biodegradable ($\leq 20\%$ in 28 days)
- PE: Partially Eliminated by water

Safer Choice:

The United States Environmental Protection Agency (EPA) has created a rigorous review and QA of third-party assessment of chemical ingredients. If an ingredient meets the requirements that are based on performance, packaging, pH, and VOCs, then it is listed on EPA's Safer Chemical Ingredients List. All chemicals that pass this investigation are listed on [cleangredients.org](https://www.cleanredients.org), a database whose formulations have been pre-approved by the EPA based on Safer Choice Standards.





Ingredients are considered biobased if they have biologically-based carbon molecules. Percentages of biobased carbon are approximate. If you would like further information on the biobased content, please reach out to us directly.

Anionic Surfactants		
Trade Name	Chemical Nature	% Biobased Carbon
Sulfofon® 1216 G	Sodium Coco-sulfate	100
Texapon® 842 UP	Sodium n-octyl sulfate	100
Texapon® K 12 G	Sodium C12 fatty alcohol sulfate	100
Texapon® K 12 P	Sodium C12 fatty alcohol sulfate	100
Texapon® K 14 S SPEZ 70%	Sodium myreth sulfate	100
Texapon® K 30 UP	Sodium Coco-sulfate	100
Texapon® NSO 328 UP	Sodium lauryl ether sulfate (3 EO)	75
Texapon® V 95 G	Sodium lauryl sulfate	100
Texapon® Z 95 P	Sodium C12-18 fatty alcohol sulfate	100
Chelating Agents		
Trade Name	Chemical Nature	% Biobased Carbon
Trilon® M Granules SG T	Trisodium salt of MGDA	ask for details
Trilon® M Liquid T	Trisodium salt of MGDA	ask for details

Enzymes

Trade Name	Chemical Nature	% Biobased Carbon
Lavergy® C Bright 100 L	Cellulase	ask for details
Lavergy® Pro 106 L	Protease preparation	ask for details
Lavergy® Pro 106 LS	Stabilized Protease	ask for details
Lavergy® Pro 114 LS	Stabilized Protease	ask for details

Non Ionic Surfactants

Trade Name	Chemical Nature	% Biobased Carbon
APG® 325 UP	Decyl/Undecyl Glucoside	ask for details
Dehydol® 100	C10-18 Fatty Alcohol (9 EO)	45
Dehydol® 980	C10-16 Alcohol Alkoxylate	ask for details
Dehydol® LT 5	C12-18 Fatty Alcohol (5 EO)	60
Dehydol® LT 7	C12-18 Fatty Alcohol (7 EO)	52
Dehypon® GRA	Modified Fatty Alcohol Polyglycoether	ask for details
Dehypon® LS 24	C12-14 Fatty Alcohol (2EO & 4PO)	45
Dehypon® LS 36	C12-14 Fatty Alcohol (3EO & 6PO)	35
Dehypon® LS 54	C12-14 Fatty Alcohol (5EO & 4PO)	37
Dehypon® LT 104	C12-18 Fatty Alcohol (10EO) & n-butyl end- capped	38
Dehypon® M	Speciality Nonionic Surfactant	71
Glucopon® 215 UP	Caprylyl/Decyl Glucoside	100
Glucopon® 225 DK	Caprylyl/Decyl Glucoside	100



Trade Name	Chemical Nature	% Biobased Carbon
Glucopon® 420 UP	Caprylyl/Myristyl Glucoside	100
Glucopon® 425 N	Caprylyl/Myristyl Glucoside	100
Glucopon® 600 UP	Lauryl/Myristyl Glucoside	100
Glucopon® 625 UP	Lauryl/Myristyl Glucoside	100
Glucopon® 50 G	Lauryl/Myristyl Glucoside (and) Sodium Sulfate (and) Sodium Silicate (and) Sodium Coco Sulfate	100
Lutensol® AT 25 FL.	C16-C18 Fatty Alcohol (25 EO)	25
Lutensol® AT 25 Pwd.	C16-C18 Fatty Alcohol (25 EO)	25
Lutensol® AT 80 FL.	C16-C18 Fatty Alcohol (80 EO)	10
Lutensol® A 12 N	C12-14 Fatty Alcohol (12 EO)	34
Lutensol® A 65 N	C12-14 Fatty Alcohol (6.5 EO)	41
Lutensol® A 9 N	C12-14 Fatty Alcohol (9 EO)	49
Lutensol® LA 60	C12-C14 Fatty Alcohol (7 EO)	49
Plurafac® LF RA-P	Alcohol Alkoxyate	ask for details
Plurafac® RA 300	Alcohol Alkoxyate	ask for details
Plurafac® RCS 43	Alcohol Alkoxyate	ask for details
Plurafac® S 305 LF	Alcohol Alkoxyate	ask for details
Plurafac® S 405 LF	Alcohol Alkoxyate	ask for details
Plurafac® S 505 LF	Alcohol Alkoxyate	ask for details
Plurafac® SL 62	Alcohol Alkoxyate	ask for details



Other Surfactants

Trade Name	Chemical Nature	% Biobased Carbon
Comperlan® 100 NA	Cocamide MEA	88
Comperlan® CMEA NA	Cocamide MEA	87
Comperlan® COD	Cocamide DEA	77
Comperlan® IP	Cocamide MIPA	82
Dehyquart® CSP	Special cationic surfactant	59
Dehyton® AB 30	Coco betaine	77
Dehyton® KE UP	Cocamidopropyl betaine	77
Dehyton® MC	Sodium cocoamphoacetate	66
Dehyton® ML NA	Sodium lauroamphoacetate	63
Dehyton® PK 35	Cocamidopropyl betaine	66
Dehyton® PK 45	Cocamidopropyl betaine	66
Deriphat® 160 C	Sodium lauriminodipropionate	66

Polymers

Trade Name	Chemical Nature	% Biobased Carbon
Polyquart® Ecoclean	Amphoteric modified starch	ask for details

Biodegradable



Ingredients are considered biodegradable if they can naturally decay at a certain ratio. There are five categories of biodegradability. In this brochure those products that are Readily Biodegradable are listed.

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Anionic Surfactants		
Trade Name	Chemical Nature	Biodegradability Level
Sulfofon® 1216 G	Sodium Coco-sulfate	RB
Texapon® 842 UP	Sodium n-octyl sulfate	RB
Texapon® K 12 G	Sodium C12 fatty alcohol sulfate	RB
Texapon® K 12 P	Sodium C12 fatty alcohol sulfate	RB
Texapon® K 14 S SPEZ 70%	Sodium myreth sulfate	RB
Texapon® K 30 UP	Sodium Coco-sulfate	RB
Texapon® NSO 328 UP	Sodium lauryl ether sulfate (3 EO)	RB

Trade Name	Chemical Nature	Biodegradability Level
Texapon® V 95 G	Sodium lauryl sulfate	RB
Texapon® Z 95 P	Sodium C12-18 fatty alcohol sulfate	RB
Biocides		
Trade Name	Chemical Nature	Biodegradability Level
Myacide® AS Plus	Bronopol	RB
Myacide® AS Technical	Bronopol	RB
Myacide® GA 50	Glutaraldehyde	RB
Myacide® GDA Technical	Glutaraldehyde	RB
Myacide® S 30	Bronopol	RB
Protectol® GA 50	Glutaraldehyde	RB
Protectol® PE NA	Phenoxyethanol	RB
Chelating Agents		
Trade Name	Chemical Nature	Biodegradability Level
Trilon® A Liquid	Trisodium salt of NTA	RB
Trilon® CA Food Grade	Disodium calcium EDTA	UB
Trilon® M Granules SG T	Trisodium salt of MGDA	RB
Trilon® M Liquid T	Trisodium salt of MGDA	UB

Non Ionic Surfactants

Trade Name	Chemical Nature	Biodegradability Level
APG® 325 UP	Decyl/Undecyl Glucoside	RB
Dehydol® 100	C10-18 Fatty Alcohol (9 EO)	RB
Dehydol® 980	C10-16 Alcohol Alkoxylate	RB
Dehydol® LT 5	C12-18 Fatty Alcohol (5 EO)	RB
Dehydol® LT 7	C12-18 Fatty Alcohol (7 EO)	RB
Dehypon® GRA	Modified Fatty Alcohol Polyglycolether	RB
Dehypon® LS 24	C12-14 Fatty Alcohol (2EO & 4PO)	RB
Dehypon® LS 36	C12-14 Fatty Alcohol (3EO & 6PO)	RB
Dehypon® LS 54	C12-14 Fatty Alcohol (5EO & 4PO)	RB
Dehypon® LT 104	C12-18 Fatty Alcohol (10EO) & n-butyl end-capped	RB
Dehypound® HDG	Speciality Nonionic Surfactant	RB
Dehypound® M	Speciality Nonionic Surfactant	RB
Demelan® VPC	Blend of ethoxylated fatty amines and ethoxylated fatty alcohols	RB
Glucopon® 215 UP	Caprylyl/Decyl Glucoside	RB
Glucopon® 225 DK	Caprylyl/Decyl Glucoside	RB
Glucopon® 420 UP	Caprylyl/Myristyl Glucoside	RB
Glucopon® 425 N	Caprylyl/Myristyl Glucoside	RB
Glucopon® 50 G	Lauryl/Myristyl Glucoside (and) Sodium Sulfate (and) Sodium Silicate (and) Sodium Coco Sulfate	UB
Glucopon® 600 UP	Lauryl/Myristyl Glucoside	RB

Biodegradable



Trade Name	Chemical Nature	Biodegradability Level
Glucopon® 625 UP	Lauryl/Myristyl Glucoside	RB
Inoterra® DWE	Nonionic Surfactant	UB
Inoterra® DWF	Nonionic Surfactant	UB
Lutensol® A 12 N	C12-14 Fatty Alcohol (12 EO)	UB
Lutensol® A 65 N	C12-14 Fatty Alcohol (6.5 EO)	UB
Lutensol® A 9 N	C12-14 Fatty Alcohol (9 EO)	UB
Lutensol® AO 11	C13-C15 Oxo Alcohol (11 EO)	RB
Lutensol® AO 3	C13-C15 Oxo Alcohol (3 EO)	RB
Lutensol® AO 7	C13-C15 Oxo Alcohol (7 EO)	RB
Lutensol® AO 8	C13-C15 Oxo Alcohol (8 EO)	RB
Lutensol® AT 25 FL.	C16-C18 Fatty Alcohol (25 EO)	RB
Lutensol® AT 25 Pwd.	C16-C18 Fatty Alcohol (25 EO)	RB
Lutensol® AT 80 FL.	C16-C18 Fatty Alcohol (80 EO)	RB
Lutensol® CS 6250	Alcohol Ethoxylate	UB
Lutensol® LA 60	C12-C14 Fatty Alcohol (7 EO)	UB
Lutensol® TDA 10	Tridecyl Alcohol Ethoxylate (10 EO)	UB
Lutensol® TDA 8	Tridecyl Alcohol (8 EO)	UB
Lutensol® TDA 8 90%	Tridecyl Alcohol (8 EO)	RB
Lutensol® TDA 9	Tridecyl Alcohol (9 EO)	UB
Lutensol® TO 12	C13 Oxo Alcohol (8 EO)	RB
Lutensol® TO 5	C13 Oxo Alcohol (5 EO)	UB
Lutensol® TO 6	C13 Oxo Alcohol (6 EO)	UB
Lutensol® TO 65	C13 Oxo Alcohol (6.5 EO)	RB

Trade Name	Chemical Nature	Biodegradability Level
Lutensol® TO 8	C13 Oxo Alcohol (8 EO)	UB
Lutensol® TO 89	C13 Oxo Alcohol (8 EO)	UB
Lutensol® XL 100	Guerbet Alcohol Alkoxylate (10 EO)	UB
Lutensol® XL 40	Guerbet Alcohol Alkoxylate (4 EO)	RB
Lutensol® XL 50	Guerbet Alcohol Alkoxylate (5 EO)	RB
Lutensol® XL 70	Guerbet Alcohol Alkoxylate (7 EO)	RB
Lutensol® XL 79	Guerbet Alcohol Alkoxylate (7 EO)	RB
Lutensol® XL 80	Guerbet Alcohol Alkoxylate (8 EO)	RB
Lutensol® XL 90	Guerbet Alcohol Alkoxylate (9 EO)	RB
Lutensol® XP 30	Guerbet Alcohol Ethoxylate (3 EO)	UB
Lutensol® XP 40	Guerbet Alcohol Ethoxylate (4 EO)	UB
Lutensol® XP 50	Guerbet Alcohol Ethoxylate (5 EO)	UB
Lutensol® XP 70	Guerbet Alcohol Ethoxylate (7 EO)	UB
Lutensol® XP 79	Guerbet Alcohol Ethoxylate (7 EO)	UB
Lutensol® XP 80	Guerbet Alcohol Ethoxylate (8 EO)	UB
Lutensol® XP 89	Guerbet Alcohol Ethoxylate (8 EO)	UB
Lutensol® XP 90	Guerbet Alcohol Ethoxylate (9 EO)	UB
Plurafac® D 250	Alcohol Alkoxylate	RB
Plurafac® LF 120	Alcohol Alkoxylate	RB
Plurafac® LF 220	Alcohol Alkoxylate	RB
Plurafac® LF 221	Alcohol Alkoxylate	UB
Plurafac® LF 224	Alcohol Alkoxylate	RB
Plurafac® LF 303	Alcohol Alkoxylate	UB

Trade Name	Chemical Nature	Biodegradability Level
Plurafac® LF 400	Alcohol Alkoxylate	RB
Plurafac® LF 403	Alcohol Alkoxylate	RB
Plurafac® LF 431	Alcohol Alkoxylate & End Capped	UB
Plurafac® LF 500	Alcohol Alkoxylate	RB
Plurafac® LF 802	Alcohol Alkoxylate	RB
Plurafac® LF 900	Alcohol Alkoxylate	UB
Plurafac® LF 901	Alcohol Alkoxylate	RB
Plurafac® LF RA-P	Alcohol Alkoxylate	RB
Plurafac® RA 300	Alcohol Alkoxylate	RB
Plurafac® RCS 43	Alcohol Alkoxylate	UB
Plurafac® S 305 LF	Alcohol Alkoxylate	UB
Plurafac® S 405 LF	Alcohol Alkoxylate	UB
Plurafac® S 505 LF	Alcohol Alkoxylate	UB
Plurafac® SLF 180	Alcohol Alkoxylate	RB
Pluronic® 17R2	EO/PO Block Copolymer, 20% EO	RB
Pluronic® 17R4	EO/PO Block Copolymer, 40% EO	RB
Pluronic® 25R2	EO/PO Block Copolymer, 20% EO	RB
Pluronic® 25R4	EO/PO Block Copolymer, 40% EO	UB
Pluronic® F 108 Prill	EO/PO Block Copolymer, 80% EO	UB
Pluronic® F 87 Prill	EO/PO Block Copolymer, 70% EO	UB
Pluronic® F 98 Prill	EO/PO Block Copolymer, 80% EO	UB
Pluronic® L 35	EO/PO Block Copolymer, 50% EO	RB
Pluronic® L 43	EO/PO Block Copolymer, 30% EO	UB

Trade Name	Chemical Nature	Biodegradability Level
Pluronic® L 44 INH	EO/PO Block Copolymer, 40% EO	UB
Pluronic® L 61	EO/PO Block Copolymer, 10% EO	RB
Pluronic® L 62	EO/PO Block Copolymer, 20% EO	RB
Pluronic® L 62 LF	EO/PO Block Copolymer, 20% EO	UB
Pluronic® L 81	EO/PO Block Copolymer, 10% EO	UB
Pluronic® L 92	EO/PO Block Copolymer, 20% EO	UB
Pluronic® N 3	EO/PO Block Copolymers	UB
Pluronic® P 65	EO/PO Block Copolymer, 50% EO	UB
Other Surfactants		
Trade Name	Chemical Nature	Biodegradability Level
Comperlan® 100 NA	Cocamide MEA	RB
Comperlan® CMEA NA	Cocamide MEA	RB
Comperlan® COD	Cocamide DEA	RB
Comperlan® IP	Cocamide MIPA	RB
Dehyquart® CSP	Special cationic surfactant	RB
Dehyton® AB 30	Coco betaine	RB
Dehyton® KE UP	Cocamidopropyl betaine	RB
Dehyton® MC	Sodium cocoamphoacetate	UB
Dehyton® ML NA	Sodium lauroamphoacetate	RB
Dehyton® PK 35	Cocamidopropyl betaine	RB
Dehyton® PK 45	Cocamidopropyl betaine	RB
Deriphat® 160 C	Sodium lauriminodipropionate	RB

Trade Name	Chemical Nature	Biodegradability Level
Klearfac® AA 270	Phosphate Ester	UB
Plantatex® HCC	Wax Dispersion	RB
Polymers		
Trade Name	Chemical Nature	Biodegradability Level
Polyquart® Ecoclean	Amphoteric modified starch	RB

Biodegradable



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Acids

Trade Name

Chemical Nature

Luvipur® FM 99

Formic Acid

Lutropur® MSA

Methane Sulfonic Acid, 70% in water

Chelating Agents

Trade Name

Chemical Nature

Trilon® M Liquid

Trisodium salt of MGDA

Trilon® M Liquid T

Trisodium salt of MGDA

Enzymes

Trade Name

Chemical Nature

Lavergy® C Bright 100 L

Cellulase

Lavergy® Pro 106 L

Protease preparation

Lavergy® Pro 114 LS

Stabilized Protease

Non Ionic 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

Dehypon® HDG

Speciality Nonionic Surfactant



Trade Name	Chemical Nature
Dehypound® M	Speciality 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 Alkoxylate (7 EO)
Lutensol® XL 79	Guerbet Alcohol Alkoxylate (7 EO)
Lutensol® XL 90	Guerbet Alcohol Alkoxylate (9 EO)
Lutensol® XP 40	Guerbet Alcohol Ethoxylate (4 EO)
Lutensol® XP 50	Guerbet Alcohol Ethoxylate (5 EO)
Lutensol® XP 80	Guerbet Alcohol Ethoxylate (8 EO)
Lutensol® XP 89	Guerbet Alcohol Ethoxylate (8 EO)
Lutensol® XP 90	Guerbet Alcohol Ethoxylate (9 EO)
Lutensol® XP 99	Guerbet Alcohol Ethoxylate (9 EO)
Plurafac® LF 900	Alcohol Alkoxylate
Plurafac® RA 300	Alcohol Alkoxylate
Plurafac® S 405 LF	Alcohol Alkoxylate
Plurafac® SLF 180	Alcohol Alkoxylate
Pluronic® 10R5	EO/PO Block Copolymer, 50% EO
Pluronic® 17R2	EO/PO Block Copolymer, 20% EO

Trade Name	Chemical Nature
Pluronic® 25R4	EO/PO Block Copolymer, 40% EO
Pluronic® 31R1	EO/PO Block Copolymer, 10% EO
Pluronic® L 61	EO/PO Block Copolymer, 10% EO
Pluronic® L 62	EO/PO Block Copolymer, 20% EO
Pluronic® L 62 LF	EO/PO Block Copolymer, 20% EO
Pluronic® L64	EO/PO Block Copolymer, 40% EO
Pluronic® N 3	EO/PO Block Copolymers
T-Maz® 20	Ethoxylated Sorbitan Monolaurate, 70% EO

Other Surfactants

Trade Name	Chemical Nature
Dehyton® PK 35	Cocamidopropyl betaine
Dehyton® PK 45	Cocamidopropyl betaine
Deriphat® 160 C	Sodium lauriminodipropionate

Polymers

Trade Name	Chemical Nature
Pluriol® E 400 NF	Polyethylene Glycol
Pluriol® E 8000 E	Polyethylene Glycol
Pluriol® E 8000 Prill	Polyethylene Glycol
Pluronic® PE 10500	EO/PO Block Copolymer, 52% EO

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Safer choice



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Disclaimer

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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

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