



ACCELERATING OUR SUSTAINABLE FUTURE

Sustainability informs and guides our development strategies and is an integral part of our business. That is why we built the first plant of its type in the United States that leads to 100% renewable surfactants with performance identical to petro-based options. These 100% bio-based products, using ethylene oxide (EO) derived from bioethanol, allow Croda to strike the balance between high performance and fully renewable ingredients – taking yet another step in meeting the growing needs of our customers and consumers.

The 100% Bio-Based ECO Range is the widest range of 100% renewable surfactants on the market with over 50 different personal care ingredient codes. By using an alternative route to EO with bioethanol from biomass sources, it significantly increases the bio-based content of ethoxylated products and reduces reliance on fossil fuels.

This range of ingredients meets consumer demands for performance, while being 100% renewable and 100% bio-based. Moreover, the ingredients are manufactured with renewable energy and have a lower carbon footprint than petro-based options.

Did you know? *Two-thirds of global consumers are willing to pay more for sustainable brands¹ and the number of personal care products with sustainable claims has increased more than 80% in the last 5 years².* The ECO Range caters to this tremendous consumer need. Now, with the 100% renewable, 100% bio-based ECO Range, you don't have to choose between meeting your sustainability goals and delivering high performance products to your consumers.

Features and Benefits of the ECO Range:

- 100% renewable
- 100% bio-based³
- Reduces reliance on fossil fuel feedstocks
- Manufactured with renewed energy
- Performance identical to petro-based options
- Lower carbon footprint than petro-based versions
- USDA Certified Biobased Product⁴
- RSPO Supply Chain Certified via Mass Balance⁵



1) Neilson report The Sustainability Imperative, October 2015

2) Mintel GNPD – Claims in Beauty & Personal Care of “environmentally friendly” “carbon neutral”, “sustainable”, August 2021

3) Calculated using USDA BioPreferred Method for determining bio-based content and validated, or being validated, by carbon 14 testing (ASTM D6866)

4) USDA BioPreferred[®] is a registered trademark of the US Department of Agriculture

5) Products containing palm oil derivatives

Product Listing is effective as of September 24, 2021

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The Croda chemistries in the ECO Range, listed by INCI name

INCI	Tradename	100% Bio-Based	100% Renewable	ECO SAP Code
Ceteareth-20	ECO Brij™ CS20 MBAL-SO-(AP)	✓	✓	ET49010
Cetearyl Alcohol (and) Ceteareth-20	ECO Cosmowax™ P MBAL-PA-(MH)	✓	✓	EM41209
Cetearyl Alcohol (and) Steareth 20 (and) Steareth 10	ECO Cosmowax™ J-PA-(MH)	✓	✓	EM41207
Ceteth-10	ECO Brij™ C10 MBAL-SO-(AP)	✓	✓	ET49002
Ceteth-2	ECO Brij™ C2 MBAL-SO-(AP)	✓	✓	ET49008
Ceteth-20	ECO Brij™ C20 MBAL-SO-(AP)	✓	✓	ET49040
Glyceryl Stearate (and) PEG-100 Stearate	ECO Arlancel™ 165 MBAL-PA-(MH)	✓	✓	CB43187
Glycereth-26	ECO Renex™ G26-MBAL-LQ-(AP)	✓	✓	ET48567
Laureth-23	ECO Brij™ L23-69 MBAL-LQ-(AP)	✓	✓	ET49012
Laureth-23	ECO Brij™ L23 MBAL-SO-(AP)	✓	✓	ET49092
Laureth-3	ECO Brij™ L3 MBAL-LQ-(AP)	✓	✓	ET49123
Laureth-4	ECO Brij™ L4 MBAL-LQ-(AP)	✓	✓	ET49020
Laureth-6	ECO Brij™ L6 MBAL-LQ-(AP)	✓	✓	ET48307
Laureth-7	ECO Brij™ L7 MBAL-LQ-(AP)	✓	✓	ET47508
Oleth-10	ECO Brij™ O10 MBAL-SS-(AP)	✓	✓	ET49024
Oleth-2	ECO Brij™ O2 MBAL-LQ-(AP)	✓	✓	ET49032
Oleth-20	ECO Brij™ O20-22 MBAL-LQ-(AP)	✓	✓	ET49026
Oleth-20	ECO Brij™ O20 MBAL-SO-(AP)	✓	✓	ET49028
Oleth-20	ECO Brij™ O20 MBAL-SS-(AP)	✓	✓	ET49030
Oleth-3	ECO Brij™ O3 MBAL-LQ-(AP)	✓	✓	ET49034
Oleth-5	ECO Brij™ O5 MBAL-LQ-(AP)	✓	✓	ET49006
PEG-25 Hydrogenated Castor Oil	ECO Croduret™ 25-LQ-(AP)	✓	✓	ET49056
PEG-30 Castor Oil	ECO Etocas™ 30-LQ -(AP)	✓	✓	ET41234
PEG-40 Castor Oil	ECO Etocas™ 40-SS -(AP)	✓	✓	ET41242
PEG-40 Hydrogenated Castor Oil	ECO Croduret™ 40-SS-(AP)	✓	✓	ET48395
PEG-45 Palm Kernel Glycerides	ECO Glycerox™ PK-70-LQ -(AP)	✓	✓	ET48257
PEG-40 Stearate (Palm)	ECO Myrj™ S40 MBAL-PA-(MH) (palm)	✓	✓	ET43540
PEG-40 Stearate (Soy)	ECO Myrj™ S40-PA-(MH) (soy)	✓	✓	ET43017



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INCI	Tradename	100% Bio-Based	100% Renewable	ECO SAP Code
PEG-6 Caprylic/Capric Glycerides	ECO Glycerox™ 767 MBAL-LQ -(AP)	✓	✓	ET48222
PEG-7 Glyceryl Cocoate	ECO Glycerox™ HE-LQ -(AP)	✓	✓	ET48414
PEG-80 Sorbitan Laurate	ECO Tween™ 28-LQ-(AP)	✓	✓	SD49068
Polysorbate 20	ECO Tween™ 20-LQ-(AP)	✓	✓	SD49058
Polysorbate 21	ECO Tween™ 21-LQ-(AP)	✓	✓	SD49060
Polysorbate 40	ECO Tween™ 40 MBAL-LQ-(AP)	✓	✓	SD49070
Polysorbate 60	ECO Tween™ 60 MBAL-LQ-(AP)	✓	✓	SD49072
Polysorbate 61	ECO Tween™ 61 MBAL-SO-(AP)	✓	✓	SD49074
Polysorbate 65	ECO Tween™ 65-LQ-(AP)	✓	✓	SD49078
Polysorbate 80	ECO Tween™ 80-LQ-(AP)	✓	✓	SD49149
Polysorbate 81	ECO Tween™ 81-LQ-(AP)	✓	✓	SD49084
Polysorbate 85	ECO Tween™ 85 LM-MBAL-LQ-(AP)	✓	✓	SD49086
Polysorbate 85	ECO Tween™ 85 MBAL-LQ-(AP)	✓	✓	SD49088
Proprietary Blend	ECO Polawax™ A-31-PA-(MH)	✓	✓	EM41219
Proprietary Blend	ECO Polawax™ NF-PA-(MH)	✓	✓	EM41223
Sorbeth-20 Beeswax	ECO Cithrol™ S20BW-SO-(AP)	✓	✓	SD49052
Steareth-10	ECO Brij™ S10 MBAL-SO-(AP)	✓	✓	ET49042
Steareth-100	ECO Brij™ S100 MBAL-SO-(AP)	✓	✓	ET49018
Steareth-2	ECO Brij™ S2 MBAL-SO-(AP)	✓	✓	ET49046
Steareth-20	ECO Brij™ S20 MBAL-SO-(AP)	✓	✓	ET49044
Steareth-30	ECO Brij™ S30 MBAL-PA-(MH)	✓	✓	ET49140
Steareth-21	ECO Brij™ S721 MBAL-PA-(MH)	✓	✓	ET43082
Steareth-21	ECO Brij™ S721 MBAL-SO-(AP)	✓	✓	ET49050



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Tradename	INCI	100% Bio-Based	100% Renewable	ECO SAP Code
ECO Arlancel 165 MBAL-PA-(MH)	Glyceryl Stearate (and) PEG-100 Stearate	✓	✓	CB43187
ECO Renex™ G26-MBAL-LQ-(AP)	Glycereth-26	✓	✓	ET48567
ECO Brij™ C10 MBAL-SO-(AP)	Ceteth-10	✓	✓	ET49002
ECO Brij™ C2 MBAL-SO-(AP)	Ceteth-2	✓	✓	ET49008
ECO Brij™ C20 MBAL-SO-(AP)	Ceteth-20	✓	✓	ET49040
ECO Brij™ CS20 MBAL-SO-(AP)	Cetareth-20	✓	✓	ET49010
ECO Brij™ L23 MBAL-SO-(AP)	Laureth-23	✓	✓	ET49092
ECO Brij™ L23-69 MBAL-LQ-(AP)	Laureth-23	✓	✓	ET49012
ECO Brij™ L3 MBAL-LQ-(AP)	Laureth-3	✓	✓	ET49123
ECO Brij™ L4 MBAL-LQ-(AP)	Laureth-4	✓	✓	ET49020
ECO Brij™ L6 MBAL -LQ-(AP)	Laureth-6	✓	✓	ET48307
ECO Brij™ L7 MBAL-LQ-(AP)	Laureth-7	✓	✓	ET47508
ECO Brij™ O10 MBAL-SS-(AP)	Oleth-10	✓	✓	ET49024
ECO Brij™ O2 MBAL-LQ-(AP)	Oleth-2	✓	✓	ET49032
ECO Brij™ O20-22 MBAL-LQ-(AP)	Oleth-20	✓	✓	ET49026
ECO Brij™ O20 MBAL-SO-(AP)	Oleth-20	✓	✓	ET49028
ECO Brij™ O20 MBAL-SS-(AP)	Oleth-20	✓	✓	ET49030
ECO Brij™ O3 MBAL-LQ-(AP)	Oleth-3	✓	✓	ET49034
ECO Brij™ O5 MBAL-LQ-(AP)	Oleth-5	✓	✓	ET49006
ECO Brij™ S10 MBAL-SO-(AP)	Steareth-10	✓	✓	ET49042
ECO Brij™ S100 MBAL-SO-(AP)	Steareth-100	✓	✓	ET49018
ECO Brij™ S2 MBAL-SO-(AP)	Steareth-2	✓	✓	ET49046
ECO Brij™ S20 MBAL-SO-(AP)	Steareth-20	✓	✓	ET49044
ECO Brij™ S721 MBAL-PA-(MH)	Steareth-21	✓	✓	ET43082
ECO Brij™ S721 MBAL-SO-(AP)	Steareth-21	✓	✓	ET49050
ECO Cithrol™ S20 BW-SO	Sorbeth-20 Beeswax	✓	✓	SD49052
ECO Cosmowax™ J-PA-(AP)	Cetearyl Alcohol (and) Steareth 20 (and) Steareth 10	✓	✓	EM41207
ECO Cosmowax™ P-MBAL-PA-(AP)	Cetearyl Alcohol (and) Cetareth-20	✓	✓	EM41209
ECO Croduret™ 25-LQ-(AP)	PEG-25 Hydrogenated Castor Oil	✓	✓	ET49056
ECO Croduret™ 40-SS -(AP)	PEG-40 Hydrogenated Castor Oil	✓	✓	ET48395



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ECO Etocas™ 30-LQ -(AP)	PEG-30 Castor Oil	✓	✓	ET41234
ECO Myrj™ S40 MBAL-PA-(MH) (palm)	PEG-40 Stearate (Palm)	✓	✓	ET43540
ECO Myrj™ S40-PA-(MH) (soy)	PEG-40 Stearate (Soy)	✓	✓	ET43017
ECO Glycerox™ 767 MBAL-LQ-(AP)	PEG-6 Caprylic/Capric Glycerides	✓	✓	ET48222
ECO Glycerox™ HE-LQ -(AP)	PEG-7 Glyceryl Cocoate	✓	✓	ET48414
ECO Glycerox PK-70 MBAL-LQ- (AP)	PEG-45 Palm Kernel Glycerides	✓	✓	ET48257
ECO Polawax™ A-31-PA-(MH)	Proprietary Blend	✓	✓	EM41219
ECO Polawax™ NF-PA-(MH)	Proprietary Blend	✓	✓	EM41223
ECO Tween™ 20-LQ-(AP)	Polysorbate 20	✓	✓	SD49058
ECO Tween™ 21-LQ-(AP)	Polysorbate 21	✓	✓	SD49060
ECO Tween™ 28-LQ-(AP)	PEG-80 Sorbitan Laurate	✓	✓	SD49068
ECO Tween™ 40 MBAL-LQ-(AP)	Polysorbate 40	✓	✓	SD49070
ECO Tween™ 60 MBAL-LQ-(AP)	Polysorbate 60	✓	✓	SD49072
ECO Tween™ 61 MBAL-SO-(AP)	Polysorbate 61	✓	✓	SD49074
ECO Tween™ 65-LQ-(AP)	Polysorbate 65	✓	✓	SD49078
ECO Tween™ 80-LQ- (AP)	Polysorbate 80	✓	✓	SD49149
ECO Tween™ 81-LQ-(AP)	Polysorbate 81	✓	✓	SD49084
ECO Tween™ 85 LM-LQ-(AP)	Polysorbate 85	✓	✓	SD49086
ECO Tween™ 85-LQ-(AP)	Polysorbate 85	✓	✓	SD49088

Visit our website www.crodapersonalcare.com to learn more about the ECO Range

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